



Mr. James Saric
Remedial Project Manager
USEPA Region 5
77 West Jackson Boulevard (SR-6J)
Chicago, Illinois 60604-3511

ARCADIS
10559 Citation Drive
Suite 100
Brighton
Michigan 48116
Tel 810.229.8594
Fax 810.229.8837
www.arcadis-us.com

Subject:

Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies Monthly Progress Report
Area 1 – Morrow Dam to Plainwell Dam
Area 2 – Plainwell Dam to Otsego City Dam (Otsego City Impoundment)
Area 3 – Otsego City Dam to Otsego Dam (Former Otsego Impoundment)
December 2011

SEDIMENTS

Date:

January 13, 2012

Dear Jim:

Attached is the 58th monthly progress report for the Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site Supplemental Remedial Investigation/Feasibility Study (SRI/FS). This progress report is submitted as per Paragraph 37 of the February 2007 Administrative Settlement Agreement and Order on Consent (AOC) for Remedial Investigations/Feasibility Studies (Docket No. V-W-07-C-864), as well as Section 7.1 of the associated Statement of Work (SOW). If you have any questions, please do not hesitate to contact me.

Contact:

Michael J. Erickson, P.E.

Phone:

810.225.1924

Email:

michael.erickson@
arcadis-us.com

Sincerely,

ARCADIS

Michael J. Erickson, P.E.
Vice President

Our ref:

B0064539.0003.00014
#2

Attachment

Copies:

Michael Berkoff, USEPA
Sam Borries, USEPA
Paul Bucholtz, MDEQ
Sharon Hanshue, MDNR
Jeff Keiser, CH2M HILL
Todd Goeks, NOAA
Jessica Winter, NOAA
Richard Gay, Weyerhaeuser Company
Martin Lebo, Ph.D., Weyerhaeuser Company
Kathy Huibregtse, ENVIRON
Garry Griffith, P.E., Georgia-Pacific LLC

**MONTHLY PROGRESS REPORT FOR THE ALLIED PAPER, INC./PORTAGE CREEK/
KALAMAZOO RIVER SUPERFUND SITE SRI/FS
AREA 1 (MORROW DAM TO PLAINWELL DAM)
AREA 2 (PLAINWELL DAM TO OTSEGO CITY DAM – OTSEGO CITY IMPOUNDMENT)
AREA 3 (OTSEGO CITY DAM TO OTSEGO DAM – OTSEGO IMPOUNDMENT)**

REPORT #58, DECEMBER 2011

**PREPARED BY ARCADIS
JANUARY 13, 2012**

ON BEHALF OF GEORGIA-PACIFIC LLC

SUBMITTED TO

**JAMES SARIC, REMEDIAL PROJECT MANAGER
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

**Monthly Progress Report for the Allied Paper, Inc./Portage Creek/
Kalamazoo River Superfund Site SRI/FS – Areas 1, 2, and 3**

REPORT #58, DECEMBER 2011

Significant Developments and Activities during the Period, Including Actions Undertaken Pursuant to the AOC and SOW

- On December 1, ARCADIS requested information from United States Environmental Protection Agency (USEPA) Field Environmental Decision Support (FIELDS) Team regarding the proposed Portage Creek post-removal PCB surface-weighted average concentration (SWAC).
- On December 7, representatives of ARCADIS, Georgia-Pacific, and USEPA participated on a conference call regarding development of the Area 3 Work Plan and finalization of the Area 2 Field Sampling Plan. During that call, USEPA declined the invitation for a site walk in Area 3.
- On December 12, ARCADIS forwarded to USEPA a selection of field photographs from Willow Boulevard/A-Site Operable Unit and Area 2 for use at the December 15 public meeting.
- On December 15, USEPA hosted a public meeting to provide a general project update on work conducted in the summer and fall. Representatives of Georgia-Pacific and ARCADIS attended.
- On December 15, USEPA provided ARCADIS with draft comments on the Area 1 Supplemental Remedial Investigation (SRI) Report.
- On December 20, USEPA forwarded to ARCADIS its disapproval and comments on the Area 1 SRI Report. Representatives of USEPA, Michigan Department of Environmental Quality (MDEQ), ARCADIS, and Georgia-Pacific participated in a conference call that day to discuss the comments. USEPA forwarded the Word file of the comments on December 21.
- On December 22, MDEQ forwarded to ARCADIS its comments on the Area 1 SRI Report.
- On December 28, ARCADIS submitted the draft *Former Plainwell Impoundment and Plainwell No. 2 Dam Area 2011 Bank Conditions Monitoring Report* to USEPA.
- Georgia-Pacific awaits USEPA's approval of the Area 3 Supplemental Remedial Investigation/ Feasibility Study (SRI/FS) Work Plan, approval of the *Former Plainwell Impoundment and Plainwell No. 2 Dam Area 2011 Bank Conditions Monitoring Report*, and information on the Portage Creek proposed post-removal PCB SWAC.

Data Collected and Field Activities Conducted during the Period

- No data were collected and no field activities were conducted during December.

**Monthly Progress Report for the Allied Paper, Inc./Portage Creek/
Kalamazoo River Superfund Site SRI/FS – Areas 1, 2, and 3**

REPORT #58, DECEMBER 2011

Laboratory Data Received during the Period

- In December, ARCADIS received analytical results from TestAmerica Laboratories Inc. (TestAmerica) for soil and sediment samples collected in the Otsego City Impoundment in November. Table 1 lists the sample analytical results received from TestAmerica in December by sample delivery group.
- Validated data for the laboratory sample delivery groups received in October are included in this monthly report. These data include the PCB, percent solids, total organic carbon (TOC), and grain size analysis analytical results for soil samples collected in October from the Otsego City Impoundment (Table 2). In accordance with Section 2.1 of the SOW, paper and electronic copies of these laboratory data are included as part of the monthly progress report. The validation reports for these data packages are presented in Attachment A, and the electronic data deliverables are included on the enclosed CD.
- On December 6, USEPA provided ARCADIS with a portion of the bathymetric data recently collected in the Otsego City Impoundment. The remainder of the data was forwarded to ARCADIS on December 21.
- ARCADIS awaits the following data from MDEQ: long-term monitoring fish tissue PCB data for sampling conducted in fall 2011, recent quarterly long-term surface water monitoring data, and bathymetric data for Areas 2 and 3 collected in 2011.

Problems

- None.

Actions Taken to Correct Problems

- None.

Developments Anticipated during the Next Two Reporting Periods

- The validated analytical data received in November will be included in the January monthly report. These data include the PCB, mercury, volatile organic compounds, percent solids, TOC, and grain size analysis analytical results for the soil samples collected in October from the Otsego City Impoundment.
- Beginning the week of January 9, ARCADIS is scheduled to resurvey the erosion pins in the Otsego City Impoundment.

**Monthly Progress Report for the Allied Paper, Inc./Portage Creek/
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- On January 12, representatives of ARCADIS, Georgia-Pacific, USEPA, and MDEQ are scheduled to meet to discuss the Area 1 Alternatives Screening Technical Memorandum (ASTM) in Detroit.
- The validated analytical data received in December will be included in the February monthly report. These data include the analytical results for soil and sediment samples collected in November from the Otsego City Impoundment.
- On February 17, representatives of ARCADIS, Georgia-Pacific, USEPA, and MDEQ are scheduled to meet to discuss Area 1 ASTM report information and Area 2 SRI data.
- By February 19, ARCADIS is scheduled to submit the revised Area 1 SRI Report to USEPA.
- Following review of PCB data from the Otsego City Impoundment, ARCADIS will select 30 soil and sediment samples from those archived in fall 2011 for non-PCB analysis by TestAmerica.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #58, December 2011

Table 1 - Area 2/Otsego City Impoundment Phase 2 Investigation - Sample Results Received in December 2011

| SDG | Location | Interval (inches) | Sample ID | Duplicate | MS/MSD | Media | Analysis | Date Received | | |
|-----------|-----------|-------------------|-----------|-----------|--------|-------|----------------------|----------------------|----------------------|-----------|
| 7772-9 | OCTBS-25 | 6 - 13 | K27484 | | | Soil | PCB | 12/20/2011 | | |
| | | 13 - 16 | K27485 | | | Soil | PCB | 12/20/2011 | | |
| | | 23 - 36 | K27486 | | | Soil | PCB | 12/20/2011 | | |
| | | 36 - 48 | K27487 | | | Soil | PCB | 12/20/2011 | | |
| | | 48 - 60 | K27488 | K27489 | | | Soil | PCB | 12/20/2011 | |
| | | 60 - 72 | K27490 | | | x | Soil | PCB | 12/20/2011 | |
| | | 72 - 77 | K27491 | | | | Soil | PCB | 12/20/2011 | |
| | OCIFP-128 | 0 - 6 | K27492 | | | | Soil | PCB, TOC, Grain Size | 12/20/2011 | |
| | | 6 - 12 | K27493 | | | | Soil | PCB | 12/20/2011 | |
| | | 12 - 28 | K27494 | | | | Soil | PCB | 12/20/2011 | |
| | | 28 - 38 | K27495 | | | | Soil | PCB | 12/20/2011 | |
| | | 38 - 48 | K27496 | | | | Soil | PCB | 12/20/2011 | |
| | | 48 - 57 | K27497 | | | | Soil | PCB | 12/20/2011 | |
| | | 7793-1 | OCIFP-130 | 0 - 3 | K27498 | | | Soil | PCB, TOC, Grain Size | 12/9/2011 |
| 3 - 14 | K27499 | | | | | Soil | PCB | 12/9/2011 | | |
| 18 - 28 | K27500 | | | | | Soil | PCB | 12/9/2011 | | |
| 28 - 38 | K27501 | | | | | Soil | PCB | 12/9/2011 | | |
| 38 - 41 | K27502 | | | | | Soil | PCB | 12/9/2011 | | |
| 41 - 55 | K27503 | | | | | Soil | PCB | 12/9/2011 | | |
| OCIFP-129 | 0 - 4 | | K27504 | | | | Soil | PCB, TOC, Grain Size | 12/9/2011 | |
| | 4 - 10 | | K27505 | | | | Soil | PCB | 12/9/2011 | |
| | 14 - 19 | | K27506 | | | | Soil | PCB | 12/9/2011 | |
| | 19 - 34 | | K27507 | | | | Soil | PCB | 12/9/2011 | |
| | 34 - 42 | | K27508 | | | | Soil | PCB | 12/9/2011 | |
| | 42 - 53 | | K27509 | | | | Soil | PCB | 12/9/2011 | |
| OCTBN-28 | 0 - 8 | | K27510 | | | | Soil | PCB, TOC, Grain Size | 12/9/2011 | |
| | 8 - 17 | | K27511 | | | | Soil | PCB | 12/9/2011 | |
| | 19 - 21 | | K27512 | | | | Soil | PCB | 12/9/2011 | |
| | 21 - 29 | | K27513 | | | | Soil | PCB | 12/9/2011 | |
| | 29 - 43 | | K27514 | | | | Soil | PCB | 12/9/2011 | |
| OCIFP-132 | 0 - 4 | | K27515 | K27516 | | | Soil | PCB, TOC, Grain Size | 12/9/2011 | |
| | 4 - 11 | | K27517 | | | | Soil | PCB | 12/9/2011 | |
| | 11 - 25 | | K27518 | | | | Soil | PCB | 12/9/2011 | |
| | 25 - 26 | | K27519 | | | | Soil | PCB | 12/9/2011 | |
| | 31 - 48 | | K27520 | | | | Soil | PCB | 12/9/2011 | |
| | 48 - 56 | | K27521 | | | x | Soil | PCB | 12/9/2011 | |
| | 56 - 64 | | K27522 | | | | Soil | PCB | 12/9/2011 | |
| | 64 - 71 | | K27523 | | | | Soil | PCB | 12/9/2011 | |
| | OCTBN-34 | | 0 - 6 | K27524 | | | | Soil | PCB, TOC, Grain Size | 12/9/2011 |
| | | | 6 - 11 | K27525 | | | | Soil | PCB | 12/9/2011 |
| 7793-2 | | | 11 - 18 | K27526 | | | Soil | PCB | 12/12/2011 | |
| | | 19 - 27 | K27527 | | | Soil | PCB | 12/12/2011 | | |
| | | 27 - 30 | K27528 | | | Soil | PCB | 12/12/2011 | | |
| | | 0 - 3 | K27529 | | | Soil | PCB, TOC, Grain Size | 12/12/2011 | | |
| | OCTBS-34 | 3 - 12 | K27530 | | | | Soil | PCB | 12/12/2011 | |
| | | 12 - 16 | K27531 | | | | Soil | PCB | 12/12/2011 | |
| | | 17 - 24 | K27532 | | | | Soil | PCB | 12/12/2011 | |
| | | 24 - 33 | K27533 | | | x | Soil | PCB | 12/12/2011 | |
| | OCTBS-33 | 0 - 4 | K27534 | | | | Soil | PCB, TOC, Grain Size | 12/12/2011 | |
| | | 4 - 12 | K27535 | | | | Soil | PCB | 12/12/2011 | |
| | | 12 - 24 | K27536 | K27537 | | | Soil | PCB | 12/12/2011 | |
| | | 24 - 28 | K27538 | | | | Soil | PCB | 12/12/2011 | |

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Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
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Table 1 - Area 2/Otsego City Impoundment Phase 2 Investigation - Sample Results Received in December 2011

| SDG | Location | Interval (inches) | Sample ID | Duplicate | MS/MSD | Media | Analysis | Date Received | |
|-------------------|----------|-------------------|-----------|-----------|--------|-------|----------------------|----------------------|------------|
| 7793-2 (Cont.) | OCTBN-20 | 0 - 6 | K27539 | | | Soil | PCB, TOC, Grain Size | 12/12/2011 | |
| | | 6 - 16 | K27540 | | | Soil | PCB | 12/12/2011 | |
| | | 20 - 30 | K27541 | | | Soil | PCB | 12/12/2011 | |
| | | 30 - 41 | K27542 | | | Soil | PCB | 12/12/2011 | |
| | | 41 - 45 | K27543 | | | Soil | PCB | 12/12/2011 | |
| | | 45 - 56 | K27544 | | | Soil | PCB | 12/12/2011 | |
| | | 56 - 66 | K27545 | | | Soil | PCB | 12/12/2011 | |
| | OCTBN-15 | 0 - 3 | K27547 | | | | Soil | PCB, TOC, Grain Size | 12/12/2011 |
| | | 3 - 12 | K27548 | | | | Soil | PCB | 12/12/2011 |
| | | 12 - 24 | K27549 | | | | Soil | PCB | 12/12/2011 |
| | | 24 - 38 | K27550 | | | | Soil | PCB | 12/12/2011 |
| | | 38 - 51 | K27551 | | | | Soil | PCB | 12/12/2011 |
| | | 51 - 63 | K27552 | | | | Soil | PCB | 12/12/2011 |
| | | 63 - 78 | K27553 | | | | Soil | PCB | 12/12/2011 |
| 7793-3 | OCTBN-23 | 78 - 83 | K27554 | | | Soil | PCB | 12/13/2011 | |
| | | 0 - 6 | K27555 | | | Soil | PCB, TOC, Grain Size | 12/13/2011 | |
| | | 6 - 17 | K27556 | | | Soil | PCB | 12/13/2011 | |
| | | 21 - 35 | K27557 | | | Soil | PCB | 12/13/2011 | |
| | | 35 - 49 | K27558 | | | Soil | PCB | 12/13/2011 | |
| | | 49 - 60 | K27559 | K27560 | | | Soil | PCB | 12/13/2011 |
| | | 60 - 69 | K27561 | | | | Soil | PCB | 12/13/2011 |
| | OCTBS-18 | 69 - 84 | K27562 | | | x | Soil | PCB | 12/13/2011 |
| | | 0 - 6 | K27563 | | | | Soil | PCB, TOC, Grain Size | 12/13/2011 |
| | | 6 - 12 | K27564 | | | | Soil | PCB | 12/13/2011 |
| | | 12 - 24 | K27565 | | | | Soil | PCB | 12/13/2011 |
| | | 24 - 36 | K27566 | | | | Soil | PCB | 12/13/2011 |
| | | 36 - 52 | K27567 | | | | Soil | PCB | 12/13/2011 |
| | | 52 - 54 | K27568 | | | | Soil | PCB | 12/13/2011 |
| | OCTBN-19 | 54 - 67 | K27569 | | | | Soil | PCB | 12/13/2011 |
| | | 0 - 4 | K27570 | | | | Soil | PCB, TOC, Grain Size | 12/13/2011 |
| | | 4 - 16 | K27571 | | | | Soil | PCB | 12/13/2011 |
| | | 21 - 29 | K27572 | | | | Soil | PCB | 12/13/2011 |
| | | 29 - 38 | K27573 | | | | Soil | PCB | 12/13/2011 |
| | | 38 - 47 | K27574 | | | | Soil | PCB | 12/13/2011 |
| | | 47 - 56 | K27575 | | | | Soil | PCB | 12/13/2011 |
| | OCTBN-18 | 56 - 72 | K27576 | | | | Soil | PCB | 12/13/2011 |
| | | 72 - 87 | K27577 | | | | Soil | PCB | 12/13/2011 |
| 0 - 5 | | K27578 | | | | Soil | PCB, TOC, Grain Size | 12/13/2011 | |
| 5 - 12 | | K27579 | | | | Soil | PCB | 12/13/2011 | |
| 13 - 25 | | K27580 | | | x | Soil | PCB | 12/13/2011 | |
| 25 - 41 | | K27581 | K27582 | | | Soil | PCB | 12/14/2011 | |
| 7793-4 | | OCTBN-18 | 41 - 50 | K27583 | | | Soil | PCB | 12/14/2011 |
| | 50 - 60 | | K27584 | | | Soil | PCB | 12/14/2011 | |
| | 60 - 69 | | K27585 | | | Soil | PCB | 12/14/2011 | |
| | 0 - 6 | | K27586 | | | | Soil | PCB, TOC, Grain Size | 12/14/2011 |
| | OCTBS-20 | 6 - 11 | K27587 | | | | Soil | PCB | 12/14/2011 |
| | | 11 - 24 | K27588 | | | x | Soil | PCB | 12/14/2011 |
| | | 27 - 39 | K27589 | | | | Soil | PCB | 12/14/2011 |
| | | 39 - 51 | K27590 | K27591 | | | Soil | PCB | 12/14/2011 |
| | | 51 - 62 | K27592 | | | | Soil | PCB | 12/14/2011 |
| | | 62 - 67 | K27593 | | | | Soil | PCB | 12/14/2011 |
| 67 - 71 | K27594 | | | | Soil | PCB | 12/14/2011 | | |
| 71 - 85 | K27595 | | | | Soil | PCB | 12/14/2011 | | |

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Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
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Table 1 - Area 2/Otsego City Impoundment Phase 2 Investigation - Sample Results Received in December 2011

| SDG | Location | Interval (inches) | Sample ID | Duplicate | MS/MSD | Media | Analysis | Date Received | |
|-------------------|-----------|-------------------|-----------|-----------|--------|----------|----------------------|----------------------|------------|
| 7793-4 (Cont.) | OCTBN-07 | 0 - 3 | K27596 | | | Soil | PCB, TOC, Grain Size | 12/14/2011 | |
| | | 3 - 12 | K27597 | | | Soil | PCB | 12/14/2011 | |
| | | 12 - 20 | K27598 | | | Soil | PCB | 12/14/2011 | |
| | | 20 - 29 | K27599 | | | Soil | PCB | 12/14/2011 | |
| | | 29 - 40 | K27600 | | | Soil | PCB | 12/14/2011 | |
| | | 40 - 51 | K27601 | | | Soil | PCB | 12/14/2011 | |
| | | 51 - 60 | K27602 | | | Soil | PCB | 12/14/2011 | |
| | OCTBS-19 | 0 - 6 | K27603 | | | | Soil | PCB | 12/14/2011 |
| | | 6 - 12 | K27604 | | | | Soil | PCB, TOC, Grain Size | 12/14/2011 |
| | | 13 - 26 | K27605 | | | | Soil | PCB | 12/14/2011 |
| | | 26 - 38 | K27606 | | | | Soil | PCB | 12/14/2011 |
| | OCTBS-16 | 0 - 4 | K27607 | | | | Soil | PCB | 12/14/2011 |
| | | 4 - 13 | K27608 | | | | Soil | PCB, TOC, Grain Size | 12/14/2011 |
| | 7793-5 | OCTBS-09 | 13 - 18 | K27609 | | | Soil | PCB | 12/15/2011 |
| 18 - 21 | | | K27610 | | | Soil | PCB | 12/15/2011 | |
| 21 - 32 | | | K27611 | | | Soil | PCB | 12/15/2011 | |
| 0 - 5 | | | K27612 | | | Soil | PCB | 12/15/2011 | |
| 5 - 11 | | | K27613 | | | Soil | PCB, TOC, Grain Size | 12/15/2011 | |
| OCTBS-11 | 11 - 20 | K27614 | | | x | Soil | PCB | 12/15/2011 | |
| | 20 - 30 | K27615 | | | | Soil | PCB | 12/15/2011 | |
| | 30 - 37 | K27616 | K27617 | | | Soil | PCB | 12/15/2011 | |
| | 0 - 6 | K27617 | | | | Soil | PCB | 12/15/2011 | |
| | 6 - 11 | K27618 | | | | Soil | PCB | 12/15/2011 | |
| | 11 - 23 | K27619 | | | | Soil | PCB, TOC, Grain Size | 12/15/2011 | |
| | 23 - 34 | K27620 | | | | Soil | PCB | 12/15/2011 | |
| | 34 - 39 | K27621 | | | | Soil | PCB | 12/15/2011 | |
| | 0 - 6 | K27622 | | | | Soil | PCB | 12/15/2011 | |
| | 6 - 12 | K27623 | | | | Soil | PCB, TOC, Grain Size | 12/15/2011 | |
| 7847-1 | OCISED-27 | 12 - 18 | K27624 | | | Soil | PCB | 12/15/2011 | |
| | | 20 - 30 | K27625 | | | Soil | PCB | 12/15/2011 | |
| | | 30 - 36 | K27626 | | | Soil | PCB | 12/15/2011 | |
| | | 0-6 | K57023 | | | | Sediment | PCB, TOC, Grain Size | 12/19/2011 |
| | | 6-17 | K57024 | | | | Sediment | PCB | 12/19/2011 |
| | | 17-24 | K57025 | | | | Sediment | PCB | 12/19/2011 |
| | | 24-36 | K57026 | | | | Sediment | PCB | 12/19/2011 |
| | OCISED-20 | 36-42 | K57027 | | | | Sediment | PCB | 12/19/2011 |
| | | 42-55 | K57028 | | | | Sediment | PCB | 12/19/2011 |
| | | 55-62 | K57029 | | | | Sediment | PCB | 12/19/2011 |
| | | 0-3 | K57030 | | | | Sediment | PCB, TOC, Grain Size | 12/19/2011 |
| | | 3-7 | K57031 | | | | Sediment | PCB | 12/19/2011 |
| | | 7-12 | K57032 | | | | Sediment | PCB | 12/19/2011 |
| | | 12-24 | K57033 | | | | Sediment | PCB | 12/19/2011 |
| 24-36 | | K57034 | K57035 | | | Sediment | PCB | 12/19/2011 | |
| OCISED-18 | 36-48 | K57035 | | | | Sediment | PCB | 12/19/2011 | |
| | 48-64 | K57036 | | | | Sediment | PCB | 12/19/2011 | |
| | 0-5 | K57037 | | | x | Sediment | PCB | 12/19/2011 | |
| | 5-10 | K57038 | | | | Sediment | PCB, TOC, Grain Size | 12/19/2011 | |
| | 10-16 | K57039 | | | | Sediment | PCB | 12/19/2011 | |
| | 16-27 | K57040 | | | | Sediment | PCB | 12/19/2011 | |
| | 27-33 | K57041 | | | | Sediment | PCB | 12/19/2011 | |

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Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
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Table 1 - Area 2/Otsego City Impoundment Phase 2 Investigation - Sample Results Received in December 2011

| SDG | Location | Interval (inches) | Sample ID | Duplicate | MS/MSD | Media | Analysis | Date Received | |
|-------------------|-----------|-------------------|-----------|-----------|----------|----------------------|----------------------|---------------|------------|
| 7847-1 (Cont.) | OCISED-07 | 0-4 | K57043 | | | Sediment | PCB, TOC, Grain Size | 12/19/2011 | |
| | | 4-15 | K57044 | | | Sediment | PCB | 12/19/2011 | |
| | | 15-31 | K57045 | | | Sediment | PCB | 12/19/2011 | |
| | | 31-35 | K57046 | | | Sediment | PCB | 12/19/2011 | |
| | | 35-44 | K57047 | | | Sediment | PCB | 12/19/2011 | |
| | | 44-56 | K57048 | | | Sediment | PCB | 12/19/2011 | |
| | | 56-64 | K57049 | | | Sediment | PCB | 12/19/2011 | |
| 7847-2 | OCISED-05 | 0-6 | K57050 | K57051 | | Sediment | PCB, TOC, Grain Size | 12/19/2011 | |
| | | 6-12 | K57052 | | | Sediment | PCB | 12/19/2011 | |
| | | 12-17 | K57053 | | | Sediment | PCB | 12/19/2011 | |
| | OCISED-10 | 17-31 | K57054 | | | x | Sediment | PCB | 12/19/2011 |
| | | 0-6 | K57055 | | | Sediment | PCB, TOC, Grain Size | 12/19/2011 | |
| | | 6-12 | K57056 | | | Sediment | PCB | 12/19/2011 | |
| | | 12-23 | K57057 | | | Sediment | PCB | 12/19/2011 | |
| | | 23-29 | K57058 | | | Sediment | PCB | 12/19/2011 | |
| | OCISED-06 | 29-45 | K57059 | | | Sediment | PCB | 12/19/2011 | |
| | | 0-5 | K57060 | | | Sediment | PCB, TOC, Grain Size | 12/19/2011 | |
| | | 5-13 | K57061 | | | Sediment | PCB | 12/19/2011 | |
| | | 13-24 | K57062 | | | Sediment | PCB | 12/19/2011 | |
| | OCISED-04 | 24-39 | K57063 | | | Sediment | PCB | 12/19/2011 | |
| | | 39-41 | K57064 | | | Sediment | PCB | 12/19/2011 | |
| | | 0-7 | K57065 | | | Sediment | PCB, TOC, Grain Size | 12/19/2011 | |
| | | 7-16 | K57066 | | | Sediment | PCB | 12/19/2011 | |
| | | 16-32 | K57067 | | | Sediment | PCB | 12/19/2011 | |
| 32-44 | | K57068 | | | Sediment | PCB | 12/19/2011 | | |
| 44-52 | | K57069 | | | Sediment | PCB | 12/19/2011 | | |
| 52-59 | | K57070 | | | Sediment | PCB | 12/19/2011 | | |
| OCISED-02 | 59-62 | K57071 | | | Sediment | PCB | 12/19/2011 | | |
| | 62-67 | K57072 | | | Sediment | PCB | 12/19/2011 | | |
| | 0-6 | K57073 | | | Sediment | PCB, TOC, Grain Size | 12/19/2011 | | |
| | 6-12 | K57074 | | | Sediment | PCB | 12/19/2011 | | |
| 7872-1 | OCISED-01 | 12-24 | K57075 | | | Sediment | PCB | 12/19/2011 | |
| | | 24-34 | K57076 | | | Sediment | PCB | 12/19/2011 | |
| | | 0-6 | K57077 | | | Sediment | PCB, TOC, Grain Size | 12/19/2011 | |
| | | 6-12 | K57078 | | | Sediment | PCB | 12/19/2011 | |
| | | 12-18 | K57079 | K57080 | | Sediment | PCB | 12/19/2011 | |
| | | 18-28 | K57081 | | | Sediment | PCB | 12/19/2011 | |
| | | 28-37 | K57082 | | | x | Sediment | PCB | 12/19/2011 |
| | | 37-48 | K57083 | | | Sediment | PCB | 12/19/2011 | |
| | OCISED-17 | 48-53 | K57084 | | | Sediment | PCB | 12/19/2011 | |
| | | 53-59 | K57085 | | | Sediment | PCB | 12/19/2011 | |
| | | 59-66 | K57086 | | | Sediment | PCB | 12/19/2011 | |
| | | 0-7 | K57087 | | | Sediment | PCB, TOC, Grain Size | 12/19/2011 | |
| | | 7-12 | K57088 | | | Sediment | PCB | 12/19/2011 | |
| | OCISED-16 | 12-21 | K57089 | | | Sediment | PCB | 12/19/2011 | |
| 21-33 | | K57090 | | | Sediment | PCB | 12/19/2011 | | |
| 33-41 | | K57091 | | | Sediment | PCB | 12/19/2011 | | |
| 0-6 | | K57092 | | | Sediment | PCB, TOC, Grain Size | 12/19/2011 | | |
| 6-12 | | K57093 | | | Sediment | PCB | 12/19/2011 | | |
| 12-17 | | K57094 | | | Sediment | PCB | 12/19/2011 | | |
| 17-21 | | K57095 | | | Sediment | PCB | 12/19/2011 | | |
| | 21-31 | K57096 | | | Sediment | PCB | 12/19/2011 | | |
| | 31-42 | K57097 | | | Sediment | PCB | 12/19/2011 | | |
| | 42-48 | K57098 | | | Sediment | PCB | 12/19/2011 | | |

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| SDG | Location | Interval (inches) | Sample ID | Duplicate | MS/MSD | Media | Analysis | Date Received | |
|-------------------|-----------|-------------------|-----------|-----------|----------|----------|-------------------------------------|----------------------|------------|
| 7872-1 (Cont.) | OCISED-09 | 0-6 | K57099 | | | Sediment | PCB, TOC, Grain Size | 12/19/2011 | |
| | | 6-12 | K57100 | | x | Sediment | PCB | 12/19/2011 | |
| | | 12-17 | K57101 | | | Sediment | PCB | 12/19/2011 | |
| | | 17-24 | K57102 | | | Sediment | PCB | 12/19/2011 | |
| | | 24-32 | K57103 | | | Sediment | PCB | 12/19/2011 | |
| | | 32-39 | K57104 | K57105 | | | Sediment | PCB | 12/19/2011 |
| 7872-2 | OCISED-13 | 39-42 | K57106 | | | Sediment | PCB | 12/20/2011 | |
| | | 0-6 | K57107 | | | Sediment | PCB, Mercury, TOC, Grain Size, VOCs | 12/20/2011 | |
| | | 6-12 | K57108 | | | Sediment | PCB, Mercury, VOCs | 12/20/2011 | |
| | | 12-23 | K57109 | | | Sediment | PCB, Mercury, VOCs | 12/20/2011 | |
| | | 23-31 | K57110 | | | Sediment | PCB, Mercury, VOCs | 12/20/2011 | |
| | | 31-38 | K57111 | | | Sediment | PCB, Mercury, VOCs | 12/20/2011 | |
| | OCISED-03 | 38-46 | K57112 | | | Sediment | PCB, Mercury, VOCs | 12/20/2011 | |
| | | 0-6 | K57113 | | | Sediment | PCB, Mercury, TOC, Grain Size, VOCs | 12/20/2011 | |
| | | 6-12 | K57114 | | | Sediment | PCB, Mercury, VOCs | 12/20/2011 | |
| | | 12-18 | K57115 | | | Sediment | PCB, Mercury, VOCs | 12/20/2011 | |
| | | 18-33 | K57116 | | x | Sediment | PCB, Mercury, VOCs | 12/20/2011 | |
| | | 33-46 | K57117 | K57118 | | | Sediment | PCB, Mercury, VOCs | 12/20/2011 |
| | | 46-55 | K57119 | | | Sediment | PCB, Mercury, VOCs | 12/20/2011 | |
| | OCISED-23 | 55-64 | K57120 | | | Sediment | PCB, Mercury, VOCs | 12/20/2011 | |
| | | 0-6 | K57121 | | | Sediment | PCB, Mercury, TOC, Grain Size, VOCs | 12/20/2011 | |
| | | 6-12 | K57122 | | | Sediment | PCB, Mercury, VOCs | 12/20/2011 | |
| | | 12-27 | K57123 | | | Sediment | PCB, Mercury, VOCs | 12/20/2011 | |
| | OCISED-08 | 27-39 | K57124 | | | Sediment | PCB, Mercury, VOCs | 12/20/2011 | |
| | | 0-6 | K57125 | | | Sediment | PCB, TOC, Grain Size | 12/20/2011 | |
| | | 6-12 | K57126 | | | Sediment | PCB | 12/20/2011 | |
| | OCISED-25 | 0-6 | K57127 | | | Sediment | PCB, TOC, Grain Size | 12/20/2011 | |
| | | 6-12 | K57128 | | | Sediment | PCB | 12/20/2011 | |
| | | 12-22 | K57129 | | | Sediment | PCB | 12/20/2011 | |
| | | 22-29 | K57130 | | | Sediment | PCB | 12/20/2011 | |
| | | 29-34 | K57131 | | | Sediment | PCB | 12/20/2011 | |
| | | 34-41 | K57132 | | | Sediment | PCB | 12/20/2011 | |
| | 7872-3 | OCISED-14 | 0-6 | K57133 | | | Sediment | PCB, TOC, Grain Size | 12/22/2011 |
| | | | 6-12 | K57134 | | | Sediment | PCB | 12/22/2011 |
| | | | 12-20 | K57135 | | x | Sediment | PCB | 12/22/2011 |
| | | | 20-32 | K57136 | K57137 | | | Sediment | PCB |
| 32-44 | | | K57138 | | | Sediment | PCB | 12/22/2011 | |
| 44-54 | | | K57139 | | | Sediment | PCB | 12/22/2011 | |
| OCISED-29 | | 0-6 | K57140 | | | Sediment | PCB, TOC, Grain Size | 12/22/2011 | |
| | | 6-12 | K57141 | | | Sediment | PCB | 12/22/2011 | |
| | | 12-21 | K57142 | | | Sediment | PCB | 12/22/2011 | |
| | | 21-36 | K57143 | | | Sediment | PCB | 12/22/2011 | |
| | | 36-47 | K57144 | | | Sediment | PCB | 12/22/2011 | |
| | | 47-52 | K57145 | | | Sediment | PCB | 12/22/2011 | |
| | | OCISED-15 | 0-7 | K57146 | | | Sediment | PCB, TOC, Grain Size | 12/22/2011 |
| 7-10 | | | K57147 | | | Sediment | PCB | 12/22/2011 | |
| 10-16 | | | K57148 | | | Sediment | PCB | 12/22/2011 | |
| 16-30 | | | K57149 | K57150 | | | Sediment | PCB | 12/22/2011 |
| 30-38 | | | K57151 | | | Sediment | PCB | 12/22/2011 | |
| 38-48 | | | K57152 | | x | Sediment | PCB | 12/22/2011 | |
| OCISED-12 | | 0-4 | K57153 | | | Sediment | PCB, TOC, Grain Size | 12/22/2011 | |
| | | 4-12 | K57154 | | | Sediment | PCB | 12/22/2011 | |
| | | 12-27 | K57155 | | | Sediment | PCB | 12/22/2011 | |
| | 27-29 | K57156 | | | Sediment | PCB | 12/22/2011 | | |

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|-------------------|-----------|-------------------|-----------|-----------|--------|----------|-------------------------------------|-------------------------------------|------------|
| 7872-3 (Cont.) | OCISED-21 | 0-6 | K57157 | | | Sediment | PCB, TOC, Grain Size | 12/22/2011 | |
| | | 6-12 | K57158 | | | Sediment | PCB | 12/22/2011 | |
| | | 12-17 | K57159 | | | Sediment | PCB | 12/22/2011 | |
| | | 17-27 | K57160 | | | Sediment | PCB | 12/22/2011 | |
| | OCISED-22 | 0-5 | K57161 | | | Sediment | PCB, TOC, Grain Size | 12/22/2011 | |
| | | 5-12 | K57162 | | | Sediment | PCB | 12/22/2011 | |
| | | 12-18 | K57163 | | | Sediment | PCB | 12/22/2011 | |
| | | 18-28 | K57164 | | | Sediment | PCB | 12/22/2011 | |
| | OCISED-19 | 0-4 | K57165 | | | Sediment | PCB, TOC, Grain Size | 12/22/2011 | |
| | | 4-10 | K57166 | | | Sediment | PCB | 12/22/2011 | |
| | 7898-1 | OCISED-35 | 0-6 | K57167 | | | Sediment | PCB, TOC, Grain Size | 12/22/2011 |
| | | | 6-10 | K57168 | | | Sediment | PCB | 12/22/2011 |
| 10-15 | | | K57169 | | | Sediment | PCB | 12/22/2011 | |
| 15-24 | | | K57170 | | | Sediment | PCB | 12/22/2011 | |
| 24-30 | | | K57171 | | | Sediment | PCB | 12/22/2011 | |
| 30-36 | | | K57172 | | | Sediment | PCB | 12/22/2011 | |
| 36-49 | | | K57173 | | | Sediment | PCB | 12/22/2011 | |
| OCISED-44 | | | 0-6 | K57174 | | | Sediment | PCB, TOC, Grain Size | 12/22/2011 |
| | | 6-12 | K57175 | | | Sediment | PCB | 12/22/2011 | |
| | | 12-22 | K57176 | | | Sediment | PCB | 12/22/2011 | |
| | | 22-25 | K57177 | | | Sediment | PCB | 12/22/2011 | |
| | | 25-32 | K57178 | K57179 | | | Sediment | PCB | 12/22/2011 |
| | | 32-48 | K57180 | | | x | Sediment | PCB | 12/22/2011 |
| OCISED-46 | | 0-6 | K57181 | | | Sediment | PCB, TOC, Grain Size | 12/22/2011 | |
| | | 6-12 | K57182 | | | Sediment | PCB | 12/22/2011 | |
| | | 12-24 | K57183 | | | Sediment | PCB | 12/22/2011 | |
| | | 24-40 | K57184 | | | Sediment | PCB | 12/22/2011 | |
| | | 40-49 | K57185 | | | Sediment | PCB | 12/22/2011 | |
| OCISED-43 | | 0-4 | K57186 | | | Sediment | PCB, Mercury, TOC, Grain Size, VOCs | 12/22/2011 | |
| | | 4-12 | K57187 | | | Sediment | PCB, Mercury, VOCs | 12/22/2011 | |
| | | 12-19 | K57188 | | | Sediment | PCB, Mercury, VOCs | 12/22/2011 | |
| OCISED-37 | | 0-2 | K57189 | | | Sediment | PCB, TOC, Grain Size | 12/22/2011 | |
| | | 2-6 | K57190 | | | Sediment | PCB | 12/22/2011 | |
| | | 6-11 | K57191 | | | Sediment | PCB | 12/22/2011 | |
| | | 11-20 | K57192 | K57193 | | | Sediment | PCB | 12/22/2011 |
| | | 20-28 | K57194 | | | Sediment | PCB | 12/22/2011 | |
| 7898-2 | | OCISED-53 | 0-6 | K57195 | | | Sediment | PCB, Mercury, TOC, Grain Size, VOCs | 12/29/2011 |
| | | | 6-12 | K57196 | | | Sediment | PCB, Mercury, VOCs | 12/29/2011 |
| | 12-24 | | K57197 | | | Sediment | PCB, Mercury, VOCs | 12/29/2011 | |
| | 24-36 | | K57198 | | | Sediment | PCB, Mercury, VOCs | 12/29/2011 | |
| | 36-42 | | K57199 | | | Sediment | PCB, Mercury, VOCs | 12/29/2011 | |
| | OCISED-31 | 0-2 | K57200 | | | Sediment | PCB, TOC, Grain Size | 12/29/2011 | |
| | | 2-6 | K57201 | | | Sediment | PCB | 12/29/2011 | |
| | | 6-14 | K57202 | | | Sediment | PCB | 12/29/2011 | |
| | | 14-24 | K57203 | | | x | Sediment | PCB | 12/29/2011 |
| | | 24-38 | K57204 | | | Sediment | PCB | 12/29/2011 | |
| | OCISED-33 | 0-6 | K57205 | | | Sediment | PCB, Mercury, TOC, Grain Size, VOCs | 12/29/2011 | |
| | | 6-13 | K57206 | | | Sediment | PCB, Mercury, VOCs | 12/29/2011 | |
| | | 13-26 | K57207 | | | Sediment | PCB, Mercury, VOCs | 12/29/2011 | |
| | | 26-39 | K57208 | | | Sediment | PCB, Mercury, VOCs | 12/29/2011 | |
| | | 39-49 | K57209 | | | Sediment | PCB, Mercury, VOCs | 12/29/2011 | |
| | OCISED-28 | 0-8 | K57210 | | | Sediment | PCB, TOC, Grain Size | 12/29/2011 | |
| | | 8-13 | K57211 | | | Sediment | PCB | 12/29/2011 | |
| | | 13-26 | K57212 | | | Sediment | PCB | 12/29/2011 | |

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|-------------------|-----------|-------------------|-----------|----------------|----------|----------|----------------------|----------------------|------------|
| 7898-2 (Cont.) | OCISED-30 | 0-2 | K57213 | | | Sediment | PCB, TOC, Grain Size | 12/29/2011 | |
| | | 2-6 | K57214 | | | Sediment | PCB | 12/29/2011 | |
| | | 6-10 | K57215 | | | Sediment | PCB | 12/29/2011 | |
| | | 10-24 | K57216 | | | Sediment | PCB | 12/29/2011 | |
| | | 24-33 | K57217 | | | Sediment | PCB | 12/29/2011 | |
| | | 33-40 | K57218 | | | Sediment | PCB | 12/29/2011 | |
| | 40-50 | K57219 | | | Sediment | PCB | 12/29/2011 | | |
| 7898-3 | OCISED-32 | 0-2 | K57220 | K57221, K57222 | | Sediment | PCB, TOC, Grain Size | 12/29/2011 | |
| | | 2-6 | K57223 | | | Sediment | PCB | 12/23/2011 | |
| | | 6-12 | K57224 | | | Sediment | PCB | 12/23/2011 | |
| | | 12-24 | K57225 | | | Sediment | PCB | 12/23/2011 | |
| | | 24-34 | K57226 | | | Sediment | PCB | 12/23/2011 | |
| | | 34-39 | K57227 | | | x | Sediment | PCB | 12/23/2011 |
| | 39-46 | K57228 | | | | Sediment | PCB | 12/23/2011 | |
| | OCISED-41 | 0-2 | K57229 | | | | Sediment | PCB, TOC, Grain Size | 12/23/2011 |
| | | 2-6 | K57230 | | | | Sediment | PCB | 12/23/2011 |
| | | 6-12 | K57231 | | | | Sediment | PCB | 12/23/2011 |
| | | 12-21 | K57232 | | | | Sediment | PCB | 12/23/2011 |
| | | 21-28 | K57233 | | | | Sediment | PCB | 12/23/2011 |
| | | 28-36 | K57234 | | | | Sediment | PCB | 12/23/2011 |
| | 7898-4 | OCISED-34 | 0-2 | K57236 | | | Sediment | PCB, TOC, Grain Size | 12/23/2011 |
| 2-6 | | | K57237 | | | Sediment | PCB | 12/29/2011 | |
| 6-13 | | | K57238 | | | Sediment | PCB | 12/29/2011 | |
| 13-22 | | | K57239 | | | Sediment | PCB | 12/29/2011 | |
| OCISED-38 | | 22-25 | K57240 | | | | Sediment | PCB | 12/29/2011 |
| | | 0-6 | K57241 | | | | Sediment | PCB, TOC, Grain Size | 12/29/2011 |
| | | 6-12 | K57242 | | | | Sediment | PCB | 12/29/2011 |
| | | 12-21 | K57243 | | | | Sediment | PCB | 12/29/2011 |
| | | 21-31 | K57244 | K57245 | | | Sediment | PCB | 12/29/2011 |
| | | 31-41 | K57246 | | | | Sediment | PCB | 12/29/2011 |
| OCISED-48 | | 0-6 | K57247 | | | | Sediment | PCB, TOC, Grain Size | 12/29/2011 |
| | | 6-12 | K57248 | | | | Sediment | PCB | 12/29/2011 |
| | | 12-20 | K57249 | | | | Sediment | PCB | 12/29/2011 |
| | | 20-33 | K57250 | | | | Sediment | PCB | 12/29/2011 |
| | 33-42 | K57251 | | | | Sediment | PCB | 12/29/2011 | |
| OCISED-42 | 0-2 | K57252 | | | | Sediment | PCB, TOC, Grain Size | 12/29/2011 | |
| | 2-6 | K57253 | | | | Sediment | PCB | 12/29/2011 | |
| | 6-12 | K57254 | | | | Sediment | PCB | 12/29/2011 | |
| | 12-24 | K57255 | | | | Sediment | PCB | 12/29/2011 | |
| | 24-33 | K57256 | | | | Sediment | PCB | 12/29/2011 | |
| | 33-43 | K57257 | | | | Sediment | PCB | 12/29/2011 | |
| | 43-52 | K57258 | | | | Sediment | PCB | 12/29/2011 | |
| | 52-61 | K57259 | | | | Sediment | PCB | 12/29/2011 | |
| 7930-1 | OCISED-55 | 0-2 | K57260 | | | Sediment | PCB, TOC, Grain Size | 12/29/2011 | |
| | | 2-6 | K57261 | | | Sediment | PCB | 12/29/2011 | |
| | | 6-14 | K57262 | | | Sediment | PCB | 12/29/2011 | |
| | | 14-24 | K57263 | | | Sediment | PCB | 12/29/2011 | |
| | OCISED-50 | 24-34 | K57264 | | | | Sediment | PCB | 12/29/2011 |
| | | 0-2 | K57265 | | | | Sediment | PCB, TOC, Grain Size | 12/29/2011 |
| | | 2-6 | K57266 | | | | Sediment | PCB | 12/29/2011 |
| | | 6-12 | K57267 | | | | Sediment | PCB | 12/29/2011 |
| | | 12-21 | K57268 | | | | Sediment | PCB | 12/29/2011 |
| | | 21-31 | K57269 | | | | Sediment | PCB | 12/29/2011 |

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|-------------------|-----------|-------------------|-----------|-----------|----------|----------|----------------------|-------------------------------------|------------|
| 7930-1 (Cont.) | OCISED-52 | 0-2 | K57270 | | | Sediment | PCB, TOC, Grain Size | 12/29/2011 | |
| | | 2-6 | K57271 | | | Sediment | PCB | 12/29/2011 | |
| | | 6-16 | K57272 | | | Sediment | PCB | 12/29/2011 | |
| | | 16-24 | K57273 | | | Sediment | PCB | 12/29/2011 | |
| | | 24-35 | K57274 | | | Sediment | PCB | 12/29/2011 | |
| | OCISED-36 | 0-2 | K57275 | | | | Sediment | PCB, TOC, Grain Size | 12/29/2011 |
| | | 2-6 | K57276 | | | | Sediment | PCB | 12/29/2011 |
| | | 6-15 | K57277 | | | | Sediment | PCB | 12/29/2011 |
| | | 15-22 | K57278 | | | x | Sediment | PCB | 12/29/2011 |
| | OCISED-51 | 22-32 | K57279 | K57280 | | | Sediment | PCB | 12/29/2011 |
| | | 0-2 | K57281 | | | | Sediment | PCB, TOC, Grain Size | 12/29/2011 |
| | | 2-6 | K57282 | | | | Sediment | PCB | 12/29/2011 |
| | | 6-10 | K57283 | | | | Sediment | PCB | 12/29/2011 |
| | OCISED-40 | 10-16 | K57284 | | | | Sediment | PCB | 12/29/2011 |
| | | 16-29 | K57285 | | | | Sediment | PCB | 12/29/2011 |
| | | 0-2 | K57286 | | | | Sediment | PCB, TOC, Grain Size | 12/29/2011 |
| | | 2-6 | K57287 | | | | Sediment | PCB | 12/29/2011 |
| | 7930-2 | OCISED-63 | 6-10 | K57288 | | | Sediment | PCB | 12/29/2011 |
| | | | 10-18 | K57289 | | | Sediment | PCB | 12/29/2011 |
| | | OCISED-73 | 18-27 | K57290 | | | | Sediment | PCB |
| 0 - 6 | | | K57291 | | | | Sediment | PCB, Mercury, TOC, Grain Size, VOCs | 12/29/2011 |
| 6 - 13 | | | K57292 | | | | Sediment | PCB, Mercury, VOCs | 12/29/2011 |
| 0 - 6 | | | K57293 | | | | Sediment | PCB, Mercury, TOC, Grain Size, VOCs | 12/29/2011 |
| 6 - 12 | | | K57294 | | | | Sediment | PCB, Mercury, VOCs | 12/29/2011 |
| 12 - 17 | | | K57295 | | | | Sediment | PCB, Mercury, VOCs | 12/29/2011 |
| 17 - 31 | | | K57296 | | | | Sediment | PCB, Mercury, VOCs | 12/29/2011 |
| OCISED-76 | | 31 - 36 | K57297 | | | | Sediment | PCB, Mercury, VOCs | 12/29/2011 |
| | | 0 - 2 | K57298 | | | | Sediment | PCB, TOC, Grain Size | 12/29/2011 |
| | | 2 - 6 | K57299 | | | | Sediment | PCB | 12/29/2011 |
| | | 6 - 12 | K57300 | | | | Sediment | PCB | 12/29/2011 |
| | | 12 - 20 | K57301 | | | | Sediment | PCB | 12/29/2011 |
| | | 20 - 30 | K57302 | | | | Sediment | PCB | 12/29/2011 |
| | | 30 - 43 | K57303 | | | | Sediment | PCB | 12/29/2011 |
| OCISED-68 | | 43 - 53 | K57304 | | | | Sediment | PCB | 12/29/2011 |
| | | 0 - 5 | K57305 | | | | Sediment | PCB, TOC, Grain Size | 12/29/2011 |
| | | 5 - 14 | K57306 | | | x | Sediment | PCB | 12/29/2011 |
| | | 14 - 21 | K57307 | | | | Sediment | PCB | 12/29/2011 |
| OCISED-59 | 21 - 25 | K57308 | K57309 | | | Sediment | PCB | 12/29/2011 | |
| | 0 - 2 | K57310 | | | | Sediment | PCB, TOC, Grain Size | 12/29/2011 | |
| | 2 - 6 | K57311 | | | | Sediment | PCB | 12/29/2011 | |
| | 6 - 12 | K57312 | | | | Sediment | PCB | 12/29/2011 | |
| OCISED-61 | 12 - 27 | K57313 | | | | Sediment | PCB | 12/29/2011 | |
| | 27 - 35 | K57314 | | | | Sediment | PCB | 12/29/2011 | |
| | 35 - 41 | K57315 | | | | Sediment | PCB | 12/29/2011 | |
| | 0 - 2 | K57316 | | | | Sediment | PCB, TOC, Grain Size | 12/29/2011 | |
| | 2 - 6 | K57317 | | | | Sediment | PCB | 12/29/2011 | |
| | 6 - 9 | K57318 | | | | Sediment | PCB | 12/29/2011 | |
| | 9 - 18 | K57319 | | | | Sediment | PCB | 12/29/2011 | |
| 7930-3 | OCISED-75 | 0 - 2 | K57320 | | | Sediment | PCB, TOC, Grain Size | 12/29/2011 | |
| | | 2 - 6 | K57321 | | | x | Sediment | PCB | 12/29/2011 |
| | | 6 - 15 | K57322 | | | | Sediment | PCB | 12/29/2011 |
| | | 15 - 23 | K57323 | | | | Sediment | PCB | 12/29/2011 |
| | | 23 - 28 | K57324 | K57325 | | | Sediment | PCB | 12/29/2011 |
| | | 28 - 37 | K57326 | | | | Sediment | PCB | 12/29/2011 |
| | | 37 - 40 | K57327 | | | | Sediment | PCB | 12/29/2011 |
| 40 - 51 | K57328 | | | | Sediment | PCB | 12/29/2011 | | |

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|-------------------|-----------|-------------------|-----------|-----------|----------|----------|----------------------|----------------------|------------|
| 7930-3 (Cont.) | OCISED-57 | 0 - 2 | K57329 | | | Sediment | PCB, TOC, Grain Size | 12/29/2011 | |
| | | 2 - 7 | K57330 | | | Sediment | PCB | 12/29/2011 | |
| | | 7 - 14 | K57331 | | | Sediment | PCB | 12/29/2011 | |
| | OCIFP-133 | 0 - 6 | K27629 | | | | Soil | PCB, TOC, Grain Size | 12/29/2011 |
| | | 6 - 9 | K27630 | | | | Soil | PCB | 12/29/2011 |
| | | 9 - 13 | K27631 | | | | Soil | PCB | 12/29/2011 |
| | | 14 - 24 | K27632 | | | | Soil | PCB | 12/29/2011 |
| | | 24 - 34 | K27633 | | | | Soil | PCB | 12/29/2011 |
| | | 34 - 45 | K27634 | | | | Soil | PCB | 12/29/2011 |
| | | 45 - 47 | K27635 | | | | Soil | PCB | 12/29/2011 |
| | OCISED-65 | 0 - 2 | K57332 | | | | Sediment | PCB, TOC, Grain Size | 12/29/2011 |
| | | 2 - 6 | K57333 | | | x | Sediment | PCB | 12/29/2011 |
| | | 6 - 11 | K57334 | K57335 | | | Sediment | PCB | 12/29/2011 |
| | | 11 - 20 | K57336 | | | | Sediment | PCB | 12/29/2011 |
| | OCISED-64 | 0 - 2 | K57337 | | | | Sediment | PCB, TOC, Grain Size | 12/29/2011 |
| | | 2 - 6 | K57338 | | | | Sediment | PCB | 12/29/2011 |
| | | 6 - 11 | K57339 | | | | Sediment | PCB | 12/29/2011 |
| | 7930-4 | | 11 - 21 | K57340 | | | Sediment | PCB | 12/29/2011 |
| | | | 21 - 30 | K57341 | | | Sediment | PCB | 12/29/2011 |
| | | | 30 - 40 | K57342 | | | Sediment | PCB | 12/29/2011 |
| | | | 40 - 48 | K57343 | | | Sediment | PCB | 12/29/2011 |
| 48 - 61 | | | K57344 | | | Sediment | PCB | 12/29/2011 | |
| OCISED-49 | | 0 - 2 | K57345 | | | | Sediment | PCB, TOC, Grain Size | 12/29/2011 |
| | | 2 - 7 | K57346 | | | | Sediment | PCB | 12/29/2011 |
| | | 7 - 12 | K57347 | | | | Sediment | PCB | 12/29/2011 |
| | | 12 - 24 | K57348 | | | | Sediment | PCB | 12/29/2011 |
| | | 24 - 36 | K57349 | | | | Sediment | PCB | 12/29/2011 |
| | | 36 - 48 | K57350 | | | | Sediment | PCB | 12/29/2011 |
| | | 48 - 55 | K57351 | | | | Sediment | PCB | 12/29/2011 |
| 55 - 66 | | K57352 | | | | Sediment | PCB | 12/29/2011 | |
| OCISED-56 | | 0 - 2 | K57353 | | | | Sediment | PCB, TOC, Grain Size | 12/29/2011 |
| | | 2 - 6 | K57354 | | | | Sediment | PCB | 12/29/2011 |
| | | 6 - 12 | K57355 | | | | Sediment | PCB | 12/29/2011 |
| | | 12 - 22 | K57356 | | | | Sediment | PCB | 12/29/2011 |
| | | 22 - 27 | K57357 | K57358 | | | Sediment | PCB | 12/29/2011 |
| | | 27 - 36 | K57359 | | | x | Sediment | PCB | 12/29/2011 |
| | | 36 - 44 | K57360 | | | | Sediment | PCB | 12/29/2011 |
| 44 - 60 | | K57361 | | | | Sediment | PCB | 12/29/2011 | |
| OCISED-60 | 0 - 2 | K57362 | | | | Sediment | PCB, TOC, Grain Size | 12/29/2011 | |
| | 2 - 6 | K57363 | | | | Sediment | PCB | 12/29/2011 | |
| | 6 - 11 | K57364 | | | | Sediment | PCB | 12/29/2011 | |
| | 11 - 17 | K57365 | | | | Sediment | PCB | 12/29/2011 | |
| | 17 - 24 | K57366 | | | | Sediment | PCB | 12/29/2011 | |
| | 24 - 36 | K57367 | | | | Sediment | PCB | 12/29/2011 | |
| | 36 - 48 | K57368 | | | | Sediment | PCB | 12/29/2011 | |
| 7930-5 | OCISED-54 | 48 - 56 | K57369 | | | Sediment | PCB | 12/29/2011 | |
| | | 0 - 2 | K57370 | | | Sediment | PCB, TOC, Grain Size | 12/29/2011 | |
| | | 2 - 6 | K57371 | | | Sediment | PCB | 12/29/2011 | |
| | | 6 - 12 | K57372 | | | Sediment | PCB | 12/29/2011 | |
| | | 12 - 16 | K57373 | K57374 | | | Sediment | PCB | 12/29/2011 |
| | | 16 - 26 | K57375 | | | | Sediment | PCB | 12/29/2011 |
| | | 26 - 37 | K57376 | | | | Sediment | PCB | 12/29/2011 |
| 37 - 44 | K57377 | | | x | Sediment | PCB | 12/29/2011 | | |

See Notes on Page 10.

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Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #58, December 2011

Table 1 - Area 2/Otsego City Impoundment Phase 2 Investigation - Sample Results Received in December 2011

| SDG | Location | Interval (inches) | Sample ID | Duplicate | MS/MSD | Media | Analysis | Date Received | |
|-------------------|-----------|-------------------|-----------|----------------|--------|----------|----------------------|----------------------|----------------------|
| 7930-5 (Cont.) | OCISED-66 | 0 - 2 | K57378 | | | Sediment | PCB, TOC, Grain Size | 12/29/2011 | |
| | | 2 - 6 | K57379 | | | Sediment | PCB | 12/29/2011 | |
| | | 6 - 12 | K57380 | | | Sediment | PCB | 12/29/2011 | |
| | | 12 - 21 | K57381 | | | Sediment | PCB | 12/29/2011 | |
| | | 21 - 35 | K57382 | | | Sediment | PCB | 12/29/2011 | |
| | | 35 - 46 | K57383 | | | Sediment | PCB | 12/29/2011 | |
| | OCISED-72 | 0 - 2 | K57384 | | | | Sediment | PCB, TOC, Grain Size | 12/29/2011 |
| | | 2 - 6 | K57385 | | | | Sediment | PCB | 12/29/2011 |
| | | 6 - 12 | K57386 | | | | Sediment | PCB | 12/29/2011 |
| | | 12 - 18 | K57387 | | | | Sediment | PCB | 12/29/2011 |
| | OCISED-67 | 0 - 2 | K57388 | | | | Sediment | PCB, TOC, Grain Size | 12/29/2011 |
| | | 2 - 6 | K57389 | | | | Sediment | PCB | 12/29/2011 |
| | | 6 - 12 | K57390 | | | | Sediment | PCB | 12/29/2011 |
| | OCISED-47 | 0 - 2 | K57391 | K57392, K57393 | | | Sediment | PCB, TOC, Grain Size | 12/29/2011 |
| | | 2 - 6 | K57394 | | | | Sediment | PCB | 12/29/2011 |
| | | 6 - 12 | K57395 | | | | Sediment | PCB | 12/29/2011 |
| | | 12 - 17 | K57396 | | | | Sediment | PCB | 12/29/2011 |
| | | 17 - 20 | K57397 | | | x | Sediment | PCB | 12/29/2011 |
| 7930-6 | OCISED-69 | 0 - 2 | K57398 | | | Sediment | PCB, TOC, Grain Size | 12/29/2011 | |
| | | 2 - 6 | K57399 | | | Sediment | PCB | 12/29/2011 | |
| | | 6 - 12 | K57400 | | | Sediment | PCB | 12/29/2011 | |
| | | 12 - 19 | K57401 | | | Sediment | PCB | 12/29/2011 | |
| 7988 | OCISED-45 | 0 - 2 | K57402 | | | Sediment | PCB, TOC, Grain Size | 12/30/2011 | |
| | | 2 - 6 | K57403 | | | Sediment | PCB | 12/30/2011 | |
| | | 6 - 12 | K57404 | | | Sediment | PCB | 12/30/2011 | |
| | | 12 - 24 | K57405 | | | Sediment | PCB | 12/30/2011 | |
| | | 24 - 29 | K57406 | | | Sediment | PCB | 12/30/2011 | |
| | | 29 - 31 | K57407 | | | Sediment | PCB | 12/30/2011 | |
| | | 31 - 36 | K57408 | | | Sediment | PCB | 12/30/2011 | |
| | | 36 - 40 | K57409 | | | Sediment | PCB | 12/30/2011 | |
| | | 40 - 45 | K57410 | | | Sediment | PCB | 12/30/2011 | |
| | | 45 - 50 | K57411 | | | Sediment | PCB | 12/30/2011 | |
| | | 50 - 68 | K57412 | | | Sediment | PCB | 12/30/2011 | |
| | | 68 - 76 | K57413 | | | Sediment | PCB | 12/30/2011 | |
| | | OCISED-39 | 0 - 2 | K57414 | | | | Sediment | PCB, TOC, Grain Size |
| | 2 - 6 | | K57415 | | | | Sediment | PCB | 12/30/2011 |
| | 6 - 14 | | K57416 | | | | Sediment | PCB | 12/30/2011 |
| | 14 - 26 | | K57417 | | | | Sediment | PCB | 12/30/2011 |
| | 26 - 36 | | K57418 | K57419 | | | Sediment | PCB | 12/30/2011 |
| | 36 - 48 | | K57420 | | | x | Sediment | PCB | 12/30/2011 |
| | 48 - 58 | | K57421 | | | | Sediment | PCB | 12/30/2011 |
| | 58 - 72 | K57422 | | | | Sediment | PCB | 12/30/2011 | |
| | OCISED-82 | 0 - 2 | K57423 | | | | Sediment | PCB, TOC, Grain Size | 12/30/2011 |
| | OCISED-83 | 0 - 2 | K57424 | | | | Sediment | PCB, TOC, Grain Size | 12/30/2011 |
| | OCISED-84 | 0 - 2 | K57425 | | | | Sediment | PCB, TOC, Grain Size | 12/30/2011 |
| | OCISED-86 | 0 - 2 | K57426 | | | | Sediment | PCB, TOC, Grain Size | 12/30/2011 |
| | OCISED-88 | 0 - 2 | K57427 | | | | Sediment | PCB, TOC, Grain Size | 12/30/2011 |
| | OCISED-89 | 0 - 2 | K57428 | | | | Sediment | PCB, TOC, Grain Size | 12/30/2011 |

Notes:

MS/MSD = Matrix Spike/Matrix Spike Duplicate
PCB = Polychlorinated Biphenyls
TOC = Total Organic Carbon
VOC = Volatile Organic Compound

Georgia-Pacific LLC
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Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #58, December 2011

Table 2 - Area 2/Otsego City Impoundment Phase 2 Investigation - Validated Soil Sample Analytical Results Received in October 2011

| Sample Name: Sample Depth(in): Date Collected: Location ID: | Units | K26474 0 - 6 10/05/11 OCIFP-01 | K26475 6 - 12 10/05/11 OCIFP-01 | K26476 12 - 18 10/05/11 OCIFP-01 | K26477 18 - 27 10/05/11 OCIFP-01 | K26478 0 - 6 10/05/11 OCIFP-02 | K26479 6 - 12 10/05/11 OCIFP-02 | K26480 12 - 24 10/05/11 OCIFP-02 | K26481 24 - 34 10/05/11 OCIFP-02 | K26482 0 - 6 10/05/11 OCIFP-04 | K26483 6 - 9 10/05/11 OCIFP-04 | K26484 9 - 14 10/05/11 OCIFP-04 | K26485 14 - 28 10/05/11 OCIFP-04 | K26486 0 - 6 10/05/11 OCIFP-05 | K26487 6 - 12 10/05/11 OCIFP-05 | K26488 12 - 21 10/05/11 OCIFP-05 |
|--|------------------------------|---|--|---|---|---|--|---|---|---|---|--|---|---|--|---|
| PCB Aroclors | | | | | | | | | | | | | | | | |
| Aroclor-1016 | ug/kg | 20 U | 19 U | 22 U | 4,200 UJ | 1,400 U | 4,500 U | 4,400 U | 45 U | 520 U | 2,100 U | 4,700 U | 2,400 U | 180 U | 4,400 U | 790 U |
| Aroclor-1221 | ug/kg | 20 U | 19 U | 22 U | 4,200 UJ | 1,400 U | 4,500 U | 4,400 U | 45 U | 520 U | 2,100 U | 4,700 U | 2,400 U | 180 U | 4,400 U | 790 U |
| Aroclor-1232 | ug/kg | 20 U | 19 U | 22 U | 4,200 UJ | 1,400 U | 4,500 U | 4,400 U | 45 U | 520 U | 2,100 U | 4,700 U | 2,400 U | 180 U | 4,400 U | 790 U |
| Aroclor-1242 | ug/kg | 20 U | 19 U | 70 | 35,000 J | 4,900 | 28,000 J | 35,000 | 56 JN | 680 | 7,300 | 33,000 | 11,000 | 480 | 31,000 | 2,500 J |
| Aroclor-1248 | ug/kg | 20 U | 19 U | 22 U | 4,200 UJ | 1,400 U | 4,500 U | 4,400 U | 45 U | 520 U | 2,100 U | 4,700 U | 2,400 U | 180 U | 4,400 U | 790 U |
| Aroclor-1254 | ug/kg | 28 | 26 | 51 | 15,000 J | 4,600 | 8,900 | 14,000 | 63 | 830 | 3,100 | 10,000 | 8,700 | 630 | 6,500 | 2,500 |
| Aroclor-1260 | ug/kg | 14 J | 17 J | 22 | 4,200 UJ | 1,400 U | 4,500 U | 4,400 U | 130 | 520 U | 2,100 U | 4,700 U | 2,400 U | 180 U | 4,400 U | 790 U |
| Total PCBs | ug/kg | 42 J | 43 J | 140 | 50,000 J | 9,500 | 37,000 J | 49,000 | 250 J | 1,500 | 10,000 | 43,000 | 20,000 | 1,100 | 38,000 | 5,000 J |
| Miscellaneous | | | | | | | | | | | | | | | | |
| Percent Solids | % | 84.8 | 85.9 | 78.5 | 40.6 | 36.3 | 39.1 | 36.8 | 37.5 | 33.8 | 39.9 | 36.4 | 37.3 | 48.9 | 37.7 | 42.4 |
| TOC | | | | | | | | | | | | | | | | |
| Total Organic Carbon | mg/kg | 14,300 | NA | NA | NA | 109,000 | NA | NA | NA | 168,000 | NA | NA | NA | 106,000 | NA | NA |
| Grain Size Analysis | | | | | | | | | | | | | | | | |
| Sand, percent | % | 74.8 | NA | NA | NA | 8.4 | NA | NA | NA | 24.5 | NA | NA | NA | 58.3 | NA | NA |
| Gravel | % | 9 | NA | NA | NA | 0.7 | NA | NA | NA | 3.2 | NA | NA | NA | 3.1 | NA | NA |
| Coarse Sand | % | 7.5 | NA | NA | NA | 2.1 | NA | NA | NA | 11.5 | NA | NA | NA | 4.2 | NA | NA |
| Medium Sand | % | 20.5 | NA | NA | NA | 1.5 | NA | NA | NA | 1.2 | NA | NA | NA | 9.5 | NA | NA |
| Fine Sand | % | 46.8 | NA | NA | NA | 4.8 | NA | NA | NA | 11.8 | NA | NA | NA | 44.6 | NA | NA |
| Silt | % | 11.1 | NA | NA | NA | 78.8 | NA | NA | NA | 51.8 | NA | NA | NA | 27.5 | NA | NA |
| Clay | % | 5.1 | NA | NA | NA | 12.1 | NA | NA | NA | 20.5 | NA | NA | NA | 11.1 | NA | NA |
| Sieve, 3 inch | % passing (Particle Size um) | 100 (75000) | NA | NA | NA | 100 (75000) | NA | NA | NA | 100 (75000) | NA | NA | NA | 100 (75000) | NA | NA |
| Sieve, 2 inch | % passing (Particle Size um) | 100 (50000) | NA | NA | NA | 100 (50000) | NA | NA | NA | 100 (50000) | NA | NA | NA | 100 (50000) | NA | NA |
| Sieve, 1.5 inch | % passing (Particle Size um) | 100 (37500) | NA | NA | NA | 100 (37500) | NA | NA | NA | 100 (37500) | NA | NA | NA | 100 (37500) | NA | NA |
| Sieve, 1 inch | % passing (Particle Size um) | 100 (25000) | NA | NA | NA | 100 (25000) | NA | NA | NA | 100 (25000) | NA | NA | NA | 100 (25000) | NA | NA |
| Sieve, 3/4 inch | % passing (Particle Size um) | 100 (19000) | NA | NA | NA | 100 (19000) | NA | NA | NA | 100 (19000) | NA | NA | NA | 100 (19000) | NA | NA |
| Sieve, 3/8 inch | % passing (Particle Size um) | 100 (9500) | NA | NA | NA | 100 (9500) | NA | NA | NA | 100 (9500) | NA | NA | NA | 100 (9500) | NA | NA |
| Sieve, #4 | % passing (Particle Size um) | 91 (4750) | NA | NA | NA | 99.3 (4750) | NA | NA | NA | 96.8 (4750) | NA | NA | NA | 96.9 (4750) | NA | NA |
| Sieve, #10 | % passing (Particle Size um) | 83.5 (2000) | NA | NA | NA | 97.2 (2000) | NA | NA | NA | 85.3 (2000) | NA | NA | NA | 92.7 (2000) | NA | NA |
| Sieve, #20 | % passing (Particle Size um) | 76.7 (850) | NA | NA | NA | 96.6 (850) | NA | NA | NA | 85 (850) | NA | NA | NA | 89 (850) | NA | NA |
| Sieve, #40 | % passing (Particle Size um) | 63 (425) | NA | NA | NA | 95.7 (425) | NA | NA | NA | 84.1 (425) | NA | NA | NA | 83.2 (425) | NA | NA |
| Sieve, #60 | % passing (Particle Size um) | 40.1 (250) | NA | NA | NA | 94.7 (250) | NA | NA | NA | 82.9 (250) | NA | NA | NA | 76.1 (250) | NA | NA |
| Sieve, #80 | % passing (Particle Size um) | 27.4 (180) | NA | NA | NA | 94.2 (180) | NA | NA | NA | 82.1 (180) | NA | NA | NA | 64.3 (180) | NA | NA |
| Sieve, #100 | % passing (Particle Size um) | 22.2 (150) | NA | NA | NA | 93.9 (150) | NA | NA | NA | 81.4 (150) | NA | NA | NA | 55 (150) | NA | NA |
| Sieve, #200 | % passing (Particle Size um) | 16.2 (75) | NA | NA | NA | 90.9 (75) | NA | NA | NA | 72.3 (75) | NA | NA | NA | 38.6 (75) | NA | NA |
| Hydrometer Reading 1 | % passing (Particle Size um) | 11.2 (35.7) | NA | NA | NA | 28.3 (35.2) | NA | NA | NA | 55.4 (33.4) | NA | NA | NA | 32.8 (33.7) | NA | NA |
| Hydrometer Reading 2 | % passing (Particle Size um) | 8.8 (22.8) | NA | NA | NA | 23.8 (22.5) | NA | NA | NA | 28.3 (22.4) | NA | NA | NA | 17.8 (22.3) | NA | NA |
| Hydrometer Reading 3 | % passing (Particle Size um) | 7.7 (13.2) | NA | NA | NA | 19.2 (13.1) | NA | NA | NA | 25.9 (13) | NA | NA | NA | 14.4 (13) | NA | NA |
| Hydrometer Reading 4 | % passing (Particle Size um) | 6.5 (9.4) | NA | NA | NA | 16.6 (9.4) | NA | NA | NA | 20.5 (9.2) | NA | NA | NA | 14.4 (9.2) | NA | NA |
| Hydrometer Reading 5 | % passing (Particle Size um) | 5.1 (6.9) | NA | NA | NA | 12.1 (6.5) | NA | NA | NA | 20.5 (6.8) | NA | NA | NA | 11.1 (6.4) | NA | NA |
| Hydrometer Reading 6 | % passing (Particle Size um) | 3.9 (3.3) | NA | NA | NA | 9.8 (3.3) | NA | NA | NA | 15.6 (3.4) | NA | NA | NA | 7.8 (3.3) | NA | NA |
| Hydrometer Reading 7 | % passing (Particle Size um) | 2.6 (1.4) | NA | NA | NA | 7.2 (1.4) | NA | NA | NA | 12.7 (1.4) | NA | NA | NA | 2.8 (1.4) | NA | NA |

See Notes on Page 14.

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Supplemental Remedial Investigations/Feasibility Studies
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Table 2 - Area 2/Otsego City Impoundment Phase 2 Investigation - Validated Soil Sample Analytical Results Received in October 2011

| Sample Name: Sample Depth(in): Date Collected: Location ID: | Units | K26489 21 - 33 10/05/11 OCIFP-05 | K26490 33 - 38 10/05/11 OCIFP-05 | K26491 0 - 6 10/05/11 OCIFP-06 | K26492 6 - 12 10/05/11 OCIFP-06 | K26493 12 - 23 10/05/11 OCIFP-06 | K26494 23 - 24 10/05/11 OCIFP-06 | K26495 [K26496] 0 - 6 10/05/11 OCIFP-09 | K26497 6 - 12 10/05/11 OCIFP-09 | K26498 12 - 19 10/05/11 OCIFP-09 | K26499 0 - 6 10/05/11 OCIFP-10 | K26500 6 - 11 10/05/11 OCIFP-10 | K26501 11 - 24 10/05/11 OCIFP-10 | K26502 24 - 36 10/05/11 OCIFP-10 |
|--|------------------------------|---|---|---|--|---|---|--|--|---|---|--|---|---|
| PCB Aroclors | | | | | | | | | | | | | | |
| Aroclor-1016 | ug/kg | 35 U | 36 U | 1,600 U | 390 U | 40 U | 40 U | 32 U [40 U] | 23 U | 21 U | 25 U | 380 U | 770 U | 42 U |
| Aroclor-1221 | ug/kg | 35 U | 36 U | 1,600 U | 390 U | 40 U | 40 U | 32 U [40 U] | 23 U | 21 U | 25 U | 380 U | 770 U | 42 U |
| Aroclor-1232 | ug/kg | 35 U | 36 U | 1,600 U | 390 U | 40 U | 40 U | 32 U [40 U] | 23 U | 21 U | 25 U | 380 U | 770 U | 42 U |
| Aroclor-1242 | ug/kg | 35 U | 36 U | 3,000 | 580 | 40 U | 40 U | 32 U [40 U] | 34 | 43 | 100 | 380 U | 4,500 | 42 U |
| Aroclor-1248 | ug/kg | 35 U | 36 U | 1,600 U | 390 U | 40 U | 40 U | 32 U [40 U] | 23 U | 21 U | 25 U | 3,900 | 770 U | 42 U |
| Aroclor-1254 | ug/kg | 35 U | 36 U | 5,800 | 1,900 | 40 U | 40 U | 43 [44] | 23 U | 14 J | 96 | 1,800 | 3,200 | 87 |
| Aroclor-1260 | ug/kg | 35 U | 36 U | 1,600 U | 340 J | 35 J | 40 U | 32 U [40 U] | 23 U | 21 U | 20 J | 280 J | 560 J | 150 |
| Total PCBs | ug/kg | 35 U | 36 U | 8,800 | 2,800 J | 35 J | 40 U | 43 [44] | 34 | 57 J | 220 J | 6,000 J | 8,300 J | 240 |
| Miscellaneous | | | | | | | | | | | | | | |
| Percent Solids | % | 47.4 | 46.5 | 32.9 | 42.8 | 43 | 43.9 | 51.4 [41.7] | 71.1 | 82.7 | 63.8 | 44.8 | 44.2 | 40.7 |
| TOC | | | | | | | | | | | | | | |
| Total Organic Carbon | mg/kg | NA | NA | 164,000 | NA | NA | NA | 86,100 [130,000] | NA | NA | 54,900 | NA | NA | NA |
| Grain Size Analysis | | | | | | | | | | | | | | |
| Sand, percent | % | NA | NA | 41.4 | NA | NA | NA | 50.1 [29.4] | NA | NA | 87.7 | NA | NA | NA |
| Gravel | % | NA | NA | 4.6 | NA | NA | NA | 1.6 [1.3] | NA | NA | 0.3 | NA | NA | NA |
| Coarse Sand | % | NA | NA | 5.8 | NA | NA | NA | 1.2 [1] | NA | NA | 0.5 | NA | NA | NA |
| Medium Sand | % | NA | NA | 10.3 | NA | NA | NA | 10.3 [8.2] | NA | NA | 3.7 | NA | NA | NA |
| Fine Sand | % | NA | NA | 25.3 | NA | NA | NA | 38.6 [20.2] | NA | NA | 83.5 | NA | NA | NA |
| Silt | % | NA | NA | 36.2 | NA | NA | NA | 28.5 [48.9] | NA | NA | 5.5 | NA | NA | NA |
| Clay | % | NA | NA | 17.8 | NA | NA | NA | 19.8 [20.4] | NA | NA | 6.5 | NA | NA | NA |
| Sieve, 3 inch | % passing (Particle Size um) | NA | NA | 100 (75000) | NA | NA | NA | 100 (75000) [100 (75000)] | NA | NA | 100 (75000) | NA | NA | NA |
| Sieve, 2 inch | % passing (Particle Size um) | NA | NA | 100 (50000) | NA | NA | NA | 100 (50000) [100 (50000)] | NA | NA | 100 (50000) | NA | NA | NA |
| Sieve, 1.5 inch | % passing (Particle Size um) | NA | NA | 100 (37500) | NA | NA | NA | 100 (37500) [100 (37500)] | NA | NA | 100 (37500) | NA | NA | NA |
| Sieve, 1 inch | % passing (Particle Size um) | NA | NA | 100 (25000) | NA | NA | NA | 100 (25000) [100 (25000)] | NA | NA | 100 (25000) | NA | NA | NA |
| Sieve, 3/4 inch | % passing (Particle Size um) | NA | NA | 100 (19000) | NA | NA | NA | 100 (19000) [100 (19000)] | NA | NA | 100 (19000) | NA | NA | NA |
| Sieve, 3/8 inch | % passing (Particle Size um) | NA | NA | 100 (9500) | NA | NA | NA | 100 (9500) [100 (9500)] | NA | NA | 100 (9500) | NA | NA | NA |
| Sieve, #4 | % passing (Particle Size um) | NA | NA | 95.4 (4750) | NA | NA | NA | 98.4 (4750) [98.7 (4750)] | NA | NA | 99.7 (4750) | NA | NA | NA |
| Sieve, #10 | % passing (Particle Size um) | NA | NA | 89.6 (2000) | NA | NA | NA | 97.2 (2000) [97.7 (2000)] | NA | NA | 99.2 (2000) | NA | NA | NA |
| Sieve, #20 | % passing (Particle Size um) | NA | NA | 86.1 (850) | NA | NA | NA | 92.8 (850) [93.7 (850)] | NA | NA | 97.3 (850) | NA | NA | NA |
| Sieve, #40 | % passing (Particle Size um) | NA | NA | 79.3 (425) | NA | NA | NA | 86.9 (425) [89.5 (425)] | NA | NA | 95.5 (425) | NA | NA | NA |
| Sieve, #60 | % passing (Particle Size um) | NA | NA | 71.8 (250) | NA | NA | NA | 73.1 (250) [82.3 (250)] | NA | NA | 83 (250) | NA | NA | NA |
| Sieve, #80 | % passing (Particle Size um) | NA | NA | 66.5 (180) | NA | NA | NA | 60.6 (180) [76.1 (180)] | NA | NA | 48.8 (180) | NA | NA | NA |
| Sieve, #100 | % passing (Particle Size um) | NA | NA | 63.4 (150) | NA | NA | NA | 54.4 (150) [73.2 (150)] | NA | NA | 27.5 (150) | NA | NA | NA |
| Sieve, #200 | % passing (Particle Size um) | NA | NA | 54 (75) | NA | NA | NA | 48.3 (75) [69.3 (75)] | NA | NA | 12 (75) | NA | NA | NA |
| Hydrometer Reading 1 | % passing (Particle Size um) | NA | NA | 50.8 (32.7) | NA | NA | NA | 48.2 (31.6) [53.4 (31.8)] | NA | NA | 11.9 (35) | NA | NA | NA |
| Hydrometer Reading 2 | % passing (Particle Size um) | NA | NA | 26.1 (22.1) | NA | NA | NA | 34.9 (21) [36.9 (21.3)] | NA | NA | 9.3 (22.5) | NA | NA | NA |
| Hydrometer Reading 3 | % passing (Particle Size um) | NA | NA | 26.1 (12.7) | NA | NA | NA | 28.9 (12.4) [30.3 (12.5)] | NA | NA | 8.2 (13.1) | NA | NA | NA |
| Hydrometer Reading 4 | % passing (Particle Size um) | NA | NA | 19.9 (9) | NA | NA | NA | 24.5 (8.8) [25.3 (8.9)] | NA | NA | 8.2 (9) | NA | NA | NA |
| Hydrometer Reading 5 | % passing (Particle Size um) | NA | NA | 17.8 (6.7) | NA | NA | NA | 19.8 (6.5) [20.4 (6.5)] | NA | NA | 6.5 (6.6) | NA | NA | NA |
| Hydrometer Reading 6 | % passing (Particle Size um) | NA | NA | 11.7 (3.3) | NA | NA | NA | 13.9 (3.3) [18.7 (3.1)] | NA | NA | 5.6 (3.2) | NA | NA | NA |
| Hydrometer Reading 7 | % passing (Particle Size um) | NA | NA | 5.5 (1.4) | NA | NA | NA | 9.2 (1.4) [8.5 (1.4)] | NA | NA | 4.6 (1.4) | NA | NA | NA |

See Notes on Page 14.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #58, December 2011

Table 2 - Area 2/Otsego City Impoundment Phase 2 Investigation - Validated Soil Sample Analytical Results Received in October 2011

| Sample Name: Sample Depth(in): Date Collected: Location ID: | Units | K26503 36 - 38 10/05/11 OCIFP-10 | K26504 0 - 6 10/05/11 OCIFP-12 | K26505 6 - 12 10/05/11 OCIFP-12 | K26506 12 - 24 10/05/11 OCIFP-12 | K26507 24 - 33 10/05/11 OCIFP-12 | K26508 0 - 5 10/05/11 OCIFP-11 | K26509 5 - 12 10/05/11 OCIFP-11 | K26510 0 - 6 10/05/11 OCIFP-14 | K26511 6 - 12 10/05/11 OCIFP-14 | K26512 12 - 20 10/05/11 OCIFP-14 | K26513 [K56514] 0 - 6 10/05/11 OCIFP-15 | K26515 6 - 12 10/05/11 OCIFP-15 | K26516 12 - 24 10/05/11 OCIFP-15 | K26517 24 - 28 10/05/11 OCIFP-15 | |
|--|------------------------------|---|---|--|---|---|---|--|---|--|---|--|--|---|---|--|
| PCB Aroclors | | | | | | | | | | | | | | | | |
| Aroclor-1016 | ug/kg | 43 U | 41 U | 23 U | 21 U | 20 U | 64 U | 50 U | 37 U | 21 U | 20 U | 41 U [40 U] | 37 U | 21 U | 22 U | |
| Aroclor-1221 | ug/kg | 43 U | 41 U | 23 U | 21 U | 20 U | 64 U | 50 U | 37 U | 21 U | 20 U | 41 U [40 U] | 37 U | 21 U | 22 U | |
| Aroclor-1232 | ug/kg | 43 U | 41 U | 23 U | 21 U | 20 U | 64 U | 50 U | 37 U | 21 U | 20 U | 41 U [40 U] | 37 U | 21 U | 22 U | |
| Aroclor-1242 | ug/kg | 43 U | 37 J | 18 J | 22 | 62 | 450 | 50 U | 37 U | 21 U | 20 U | 36 J [40 U] | 44 JN | 24 | 170 | |
| Aroclor-1248 | ug/kg | 43 U | 41 U | 23 U | 21 U | 20 U | 64 U | 57 | 130 | 21 U | 20 U | 41 U [40 U] | 37 U | 21 U | 22 U | |
| Aroclor-1254 | ug/kg | 34 J | 53 | 23 U | 21 U | 20 | 510 | 50 U | 280 | 21 U | 20 U | 55 [54] | 51 | 21 U | 67 | |
| Aroclor-1260 | ug/kg | 74 | 41 U | 23 U | 21 U | 20 U | 160 | 50 U | 70 | 21 U | 20 U | 41 U [40 U] | 37 U | 21 U | 22 U | |
| Total PCBs | ug/kg | 110 J | 90 J | 18 J | 22 | 82 | 1,100 | 57 | 480 | 21 U | 20 U | 91 J [54] | 95 J | 24 | 240 | |
| Miscellaneous | | | | | | | | | | | | | | | | |
| Percent Solids | % | 39.5 | 40.7 | 76 | 80.8 | 84.5 | 51.5 | 34.6 | 44.7 | 79.4 | 84.6 | 42.9 [44.1] | 46.4 | 78.4 | 79.6 | |
| TOC | | | | | | | | | | | | | | | | |
| Total Organic Carbon | mg/kg | NA | 118,000 | NA | NA | NA | 82,400 | NA | 95,200 | NA | NA | 138,000 [143,000] | NA | NA | NA | |
| Grain Size Analysis | | | | | | | | | | | | | | | | |
| Sand, percent | % | NA | 37.3 | NA | NA | NA | 80.8 | NA | 46.9 | NA | NA | 29.7 | NA | NA | NA | |
| Gravel | % | NA | 1.6 | NA | NA | NA | 7.7 | NA | 3.2 | NA | NA | 1.4 | NA | NA | NA | |
| Coarse Sand | % | NA | 0.6 | NA | NA | NA | 8.8 | NA | 9.5 | NA | NA | 1 | NA | NA | NA | |
| Medium Sand | % | NA | 11.3 | NA | NA | NA | 27.2 | NA | 22.4 | NA | NA | 9.4 | NA | NA | NA | |
| Fine Sand | % | NA | 25.4 | NA | NA | NA | 44.8 | NA | 15 | NA | NA | 19.3 | NA | NA | NA | |
| Silt | % | NA | 46 | NA | NA | NA | 5.8 | NA | 38.1 | NA | NA | 54.7 | NA | NA | NA | |
| Clay | % | NA | 15.1 | NA | NA | NA | 5.7 | NA | 11.8 | NA | NA | 14.2 | NA | NA | NA | |
| Sieve, 3 inch | % passing (Particle Size um) | NA | 100 (75000) | NA | NA | NA | 100 (75000) | NA | 100 (75000) | NA | NA | 100 (75000) | NA | NA | NA | |
| Sieve, 2 inch | % passing (Particle Size um) | NA | 100 (50000) | NA | NA | NA | 100 (50000) | NA | 100 (50000) | NA | NA | 100 (50000) | NA | NA | NA | |
| Sieve, 1.5 inch | % passing (Particle Size um) | NA | 100 (37500) | NA | NA | NA | 100 (37500) | NA | 100 (37500) | NA | NA | 100 (37500) | NA | NA | NA | |
| Sieve, 1 inch | % passing (Particle Size um) | NA | 100 (25000) | NA | NA | NA | 100 (25000) | NA | 100 (25000) | NA | NA | 100 (25000) | NA | NA | NA | |
| Sieve, 3/4 inch | % passing (Particle Size um) | NA | 100 (19000) | NA | NA | NA | 100 (19000) | NA | 100 (19000) | NA | NA | 100 (19000) | NA | NA | NA | |
| Sieve, 3/8 inch | % passing (Particle Size um) | NA | 100 (9500) | NA | NA | NA | 98.2 (9500) | NA | 100 (9500) | NA | NA | 100 (9500) | NA | NA | NA | |
| Sieve, #4 | % passing (Particle Size um) | NA | 98.4 (4750) | NA | NA | NA | 92.3 (4750) | NA | 96.8 (4750) | NA | NA | 98.6 (4750) | NA | NA | NA | |
| Sieve, #10 | % passing (Particle Size um) | NA | 97.8 (2000) | NA | NA | NA | 83.5 (2000) | NA | 87.3 (2000) | NA | NA | 97.6 (2000) | NA | NA | NA | |
| Sieve, #20 | % passing (Particle Size um) | NA | 95.9 (850) | NA | NA | NA | 74.1 (850) | NA | 76.3 (850) | NA | NA | 92.3 (850) | NA | NA | NA | |
| Sieve, #40 | % passing (Particle Size um) | NA | 86.5 (425) | NA | NA | NA | 56.3 (425) | NA | 64.9 (425) | NA | NA | 88.2 (425) | NA | NA | NA | |
| Sieve, #60 | % passing (Particle Size um) | NA | 79.5 (250) | NA | NA | NA | 27.1 (250) | NA | 58.7 (250) | NA | NA | 84.1 (250) | NA | NA | NA | |
| Sieve, #80 | % passing (Particle Size um) | NA | 73.4 (180) | NA | NA | NA | 15.5 (180) | NA | 55.2 (180) | NA | NA | 81.9 (180) | NA | NA | NA | |
| Sieve, #100 | % passing (Particle Size um) | NA | 69.3 (150) | NA | NA | NA | 13.2 (150) | NA | 53.7 (150) | NA | NA | 80.3 (150) | NA | NA | NA | |
| Sieve, #200 | % passing (Particle Size um) | NA | 61.1 (75) | NA | NA | NA | 11.5 (75) | NA | 49.9 (75) | NA | NA | 68.9 (75) | NA | NA | NA | |
| Hydrometer Reading 1 | % passing (Particle Size um) | NA | 47.2 (31.1) | NA | NA | NA | 10.4 (35) | NA | 49.5 (33.7) | NA | NA | 43.2 (32.2) | NA | NA | NA | |
| Hydrometer Reading 2 | % passing (Particle Size um) | NA | 27.3 (21.4) | NA | NA | NA | 8.9 (22.4) | NA | 22.9 (22.6) | NA | NA | 24.3 (21.8) | NA | NA | NA | |
| Hydrometer Reading 3 | % passing (Particle Size um) | NA | 21.7 (12.7) | NA | NA | NA | 8 (13) | NA | 16.3 (13.2) | NA | NA | 20 (12.8) | NA | NA | NA | |
| Hydrometer Reading 4 | % passing (Particle Size um) | NA | 17.7 (9.1) | NA | NA | NA | 7.2 (9.3) | NA | 16.3 (9.2) | NA | NA | 17.1 (9.3) | NA | NA | NA | |
| Hydrometer Reading 5 | % passing (Particle Size um) | NA | 15.1 (6.7) | NA | NA | NA | 5.7 (6.5) | NA | 11.8 (6.8) | NA | NA | 14.2 (6.6) | NA | NA | NA | |
| Hydrometer Reading 6 | % passing (Particle Size um) | NA | 11.1 (3.2) | NA | NA | NA | 4.9 (3.3) | NA | 9.6 (3.4) | NA | NA | 8.2 (3.3) | NA | NA | NA | |
| Hydrometer Reading 7 | % passing (Particle Size um) | NA | 5.5 (1.4) | NA | NA | NA | 2.5 (1.4) | NA | 4.8 (1.4) | NA | NA | 6.8 (1.4) | NA | NA | NA | |

See Notes on Page 14.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #58, December 2011

Table 2 - Area 2/Otsego City Impoundment Phase 2 Investigation - Validated Soil Sample Analytical Results Received in October 2011

| Sample Name: Sample Depth(in): Date Collected: Location ID: | Units | K26518 0 - 6 10/05/11 OCIFP-16 | K26519 6 - 12 10/05/11 OCIFP-16 | K26520 12 - 23 10/05/11 OCIFP-16 | K26521 0 - 6 10/05/11 OCIFP-17 | K26522 6 - 12 10/05/11 OCIFP-17 | K26523 12 - 26 10/05/11 OCIFP-17 | K26524 26 - 30 10/05/11 OCIFP-17 | K26525 0 - 6 10/05/11 OCIFP-21 | K26526 6 - 12 10/05/11 OCIFP-21 | K26527 12 - 24 10/05/11 OCIFP-21 | K26528 24 - 27 10/05/11 OCIFP-21 | K26529 0 - 2 10/05/11 OCIFP-26 | K26530 2 - 6 10/05/11 OCIFP-26 | K26531 6 - 12 10/05/11 OCIFP-26 | K26532 12 - 24 10/05/11 OCIFP-26 |
|--|------------------------------|---|--|---|---|--|---|---|---|--|---|---|---|---|--|---|
| PCB Aroclors | | | | | | | | | | | | | | | | |
| Aroclor-1016 | ug/kg | 23 UJ | 25 U | 37 U | 540 U | 220 U | 42 U | 25 U | 20 U | 18 U | 19 U | 19 U | 260 U | 500 U | 530 U | 48 U |
| Aroclor-1221 | ug/kg | 23 U | 25 U | 37 U | 540 U | 220 U | 42 U | 25 U | 20 U | 18 U | 19 U | 19 U | 260 U | 500 U | 530 U | 48 U |
| Aroclor-1232 | ug/kg | 23 U | 25 U | 37 U | 540 U | 220 U | 42 U | 25 U | 20 U | 18 U | 19 U | 19 U | 260 U | 500 U | 530 U | 48 U |
| Aroclor-1242 | ug/kg | 23 U | 25 U | 37 U | 540 U | 220 U | 42 U | 25 U | 20 U | 18 U | 19 U | 19 U | 260 U | 500 U | 530 U | 48 U |
| Aroclor-1248 | ug/kg | 34 JN | 25 U | 37 U | 3,800 | 1,600 | 29 J | 34 | 20 U | 18 U | 19 U | 19 U | 1,000 J | 4,000 J | 7,400 | 100 |
| Aroclor-1254 | ug/kg | 34 | 25 U | 37 U | 3,000 | 1,600 | 29 J | 21 J | 20 U | 18 U | 19 U | 19 U | 1,700 | 5,700 | 5,900 | 110 |
| Aroclor-1260 | ug/kg | 17 J | 25 U | 37 U | 530 J | 430 | 51 | 25 U | 20 U | 18 U | 19 U | 19 U | 410 | 870 | 920 | 320 |
| Total PCBs | ug/kg | 85 J | 25 U | 37 U | 7,300 J | 3,600 | 110 J | 55 J | 20 U | 18 U | 19 U | 19 U | 3,100 J | 11,000 J | 14,000 | 530 |
| Miscellaneous | | | | | | | | | | | | | | | | |
| Percent Solids | % | 77.3 | 68.5 | 44.2 | 32.1 | 39.1 | 40.3 | 66.7 | 85 | 89.1 | 85.8 | 85.6 | 33.8 | 34.1 | 32.5 | 35.4 |
| TOC | | | | | | | | | | | | | | | | |
| Total Organic Carbon | mg/kg | 7,480 | NA | NA | 179,000 | NA | NA | NA | 38,700 | NA | NA | NA | 177,000 | NA | NA | NA |
| Grain Size Analysis | | | | | | | | | | | | | | | | |
| Sand, percent | % | 78.7 | NA | NA | 32.1 | NA | NA | NA | 85.8 | NA | NA | NA | 27.4 | NA | NA | NA |
| Gravel | % | 10.6 | NA | NA | 0.3 | NA | NA | NA | 4.3 | NA | NA | NA | 0 | NA | NA | NA |
| Coarse Sand | % | 7.9 | NA | NA | 1.9 | NA | NA | NA | 1.4 | NA | NA | NA | 0.4 | NA | NA | NA |
| Medium Sand | % | 22.2 | NA | NA | 12.9 | NA | NA | NA | 22.8 | NA | NA | NA | 16.5 | NA | NA | NA |
| Fine Sand | % | 48.6 | NA | NA | 17.3 | NA | NA | NA | 61.6 | NA | NA | NA | 10.5 | NA | NA | NA |
| Silt | % | 7.1 | NA | NA | 49.6 | NA | NA | NA | 7.2 | NA | NA | NA | 51.7 | NA | NA | NA |
| Clay | % | 3.6 | NA | NA | 18 | NA | NA | NA | 2.8 | NA | NA | NA | 20.9 | NA | NA | NA |
| Sieve, 3 inch | % passing (Particle Size um) | 100 (75000) | NA | NA | 100 (75000) | NA | NA | NA | 100 (75000) | NA | NA | NA | 100 (75000) | NA | NA | NA |
| Sieve, 2 inch | % passing (Particle Size um) | 100 (50000) | NA | NA | 100 (50000) | NA | NA | NA | 100 (50000) | NA | NA | NA | 100 (50000) | NA | NA | NA |
| Sieve, 1.5 inch | % passing (Particle Size um) | 100 (37500) | NA | NA | 100 (37500) | NA | NA | NA | 100 (37500) | NA | NA | NA | 100 (37500) | NA | NA | NA |
| Sieve, 1 inch | % passing (Particle Size um) | 100 (25000) | NA | NA | 100 (25000) | NA | NA | NA | 100 (25000) | NA | NA | NA | 100 (25000) | NA | NA | NA |
| Sieve, 3/4 inch | % passing (Particle Size um) | 100 (19000) | NA | NA | 100 (19000) | NA | NA | NA | 100 (19000) | NA | NA | NA | 100 (19000) | NA | NA | NA |
| Sieve, 3/8 inch | % passing (Particle Size um) | 95.2 (9500) | NA | NA | 100 (9500) | NA | NA | NA | 95.9 (9500) | NA | NA | NA | 100 (9500) | NA | NA | NA |
| Sieve, #4 | % passing (Particle Size um) | 89.4 (4750) | NA | NA | 99.7 (4750) | NA | NA | NA | 95.7 (4750) | NA | NA | NA | 100 (4750) | NA | NA | NA |
| Sieve, #10 | % passing (Particle Size um) | 81.5 (2000) | NA | NA | 97.8 (2000) | NA | NA | NA | 94.3 (2000) | NA | NA | NA | 99.6 (2000) | NA | NA | NA |
| Sieve, #20 | % passing (Particle Size um) | 74.3 (850) | NA | NA | 91.9 (850) | NA | NA | NA | 90.5 (850) | NA | NA | NA | 90.3 (850) | NA | NA | NA |
| Sieve, #40 | % passing (Particle Size um) | 59.3 (425) | NA | NA | 84.9 (425) | NA | NA | NA | 71.5 (425) | NA | NA | NA | 83.1 (425) | NA | NA | NA |
| Sieve, #60 | % passing (Particle Size um) | 30.9 (250) | NA | NA | 80 (250) | NA | NA | NA | 28.7 (250) | NA | NA | NA | 79.2 (250) | NA | NA | NA |
| Sieve, #80 | % passing (Particle Size um) | 17.7 (180) | NA | NA | 76.6 (180) | NA | NA | NA | 15.7 (180) | NA | NA | NA | 77.3 (180) | NA | NA | NA |
| Sieve, #100 | % passing (Particle Size um) | 14 (150) | NA | NA | 74.2 (150) | NA | NA | NA | 12.6 (150) | NA | NA | NA | 76.2 (150) | NA | NA | NA |
| Sieve, #200 | % passing (Particle Size um) | 10.7 (75) | NA | NA | 67.6 (75) | NA | NA | NA | 9.9 (75) | NA | NA | NA | 72.6 (75) | NA | NA | NA |
| Hydrometer Reading 1 | % passing (Particle Size um) | 9.8 (35.2) | NA | NA | 44.6 (33.3) | NA | NA | NA | 5.8 (35.7) | NA | NA | NA | 48.9 (34) | NA | NA | NA |
| Hydrometer Reading 2 | % passing (Particle Size um) | 7.5 (22.6) | NA | NA | 29.4 (21.9) | NA | NA | NA | 4.6 (22.8) | NA | NA | NA | 33.9 (22.1) | NA | NA | NA |
| Hydrometer Reading 3 | % passing (Particle Size um) | 6 (13.2) | NA | NA | 25.6 (12.8) | NA | NA | NA | 4 (13.2) | NA | NA | NA | 28.9 (12.9) | NA | NA | NA |
| Hydrometer Reading 4 | % passing (Particle Size um) | 5.2 (9.5) | NA | NA | 21.8 (9.1) | NA | NA | NA | 3.4 (9.4) | NA | NA | NA | 26.3 (9.2) | NA | NA | NA |
| Hydrometer Reading 5 | % passing (Particle Size um) | 3.6 (6.5) | NA | NA | 18 (6.4) | NA | NA | NA | 2.8 (6.8) | NA | NA | NA | 20.9 (6.4) | NA | NA | NA |
| Hydrometer Reading 6 | % passing (Particle Size um) | 2.1 (3.3) | NA | NA | 13.9 (3.2) | NA | NA | NA | 2 (3.3) | NA | NA | NA | 13.4 (3.3) | NA | NA | NA |
| Hydrometer Reading 7 | % passing (Particle Size um) | 1.3 (1.4) | NA | NA | 10.1 (1.4) | NA | NA | NA | 1.4 (1.4) | NA | NA | NA | 10.9 (1.4) | NA | NA | NA |

See Notes on Page 14.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
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Table 2 - Area 2/Otsego City Impoundment Phase 2 Investigation - Validated Soil Sample Analytical Results Received in October 2011

| Sample Name: Sample Depth(in): Date Collected: Location ID: | Units | K26533 24 - 27 10/05/11 OCIFP-26 | K26534 27 - 31 10/05/11 OCIFP-26 | K26535 0 - 3 10/05/11 OCIFP-29 | K26536 3 - 6 10/05/11 OCIFP-29 | K26537 6 - 12 10/05/11 OCIFP-29 | K26538 12 - 19 10/05/11 OCIFP-29 | K26539 19 - 31 10/05/11 OCIFP-29 | K26540 [K26541] 0 - 6 10/05/11 OCIFP-30 | K26542 6 - 8 10/05/11 OCIFP-30 | K26543 8 - 15 10/05/11 OCIFP-30 | K26544 15 - 19 10/05/11 OCIFP-30 | K26545 0 - 6 10/05/11 OCIFP-31 | K26546 6 - 12 10/05/11 OCIFP-31 | K26547 12 - 17 10/05/11 OCIFP-31 |
|--|------------------------------|---|---|---|---|--|---|---|--|---|--|---|---|--|---|
| PCB Aroclors | | | | | | | | | | | | | | | |
| Aroclor-1016 | ug/kg | 67 U | 110 U | 160 U | 220 U | 41 U | 48 U | 58 U | 460 U [230 U] | 490 U | 96 U | 79 U | 26 U | 21 U | 20 U |
| Aroclor-1221 | ug/kg | 67 U | 110 U | 160 U | 220 U | 41 U | 48 U | 58 U | 460 U [230 U] | 490 U | 96 U | 79 U | 26 U | 21 U | 20 U |
| Aroclor-1232 | ug/kg | 67 U | 110 U | 160 U | 220 U | 41 U | 48 U | 58 U | 460 U [230 U] | 490 U | 96 U | 79 U | 26 U | 21 U | 20 U |
| Aroclor-1242 | ug/kg | 67 U | 110 U | 160 U | 220 U | 41 U | 48 U | 58 U | 460 U [230 U] | 490 U | 96 U | 79 U | 64 | 110 | 130 |
| Aroclor-1248 | ug/kg | 67 U | 110 U | 1,200 | 260 | 41 U | 48 U | 58 U | 4,300 [1,800] | 2,300 | 440 | 72 J | 26 U | 21 U | 20 U |
| Aroclor-1254 | ug/kg | 67 U | 110 U | 1,100 | 1,100 | 110 | 48 U | 58 U | 6,200 [3,500] | 4,800 | 460 | 54 J | 30 | 46 | 41 |
| Aroclor-1260 | ug/kg | 67 U | 110 U | 240 | 310 | 190 | 62 | 58 U | 1,000 [580] | 860 | 140 | 79 U | 26 U | 21 U | 20 U |
| Total PCBs | ug/kg | 67 U | 110 U | 2,500 | 1,700 | 300 | 62 | 58 U | 12,000 [5,900] | 8,000 | 1,000 | 130 J | 94 | 160 | 170 |
| Miscellaneous | | | | | | | | | | | | | | | |
| Percent Solids | % | 25.3 | 15.9 | 52.3 | 40 | 41.7 | 36 | 29 | 37.4 [36.9] | 35.1 | 36 | 21.9 | 65.8 | 75.8 | 86.1 |
| TOC | | | | | | | | | | | | | | | |
| Total Organic Carbon | mg/kg | NA | NA | 75,100 | NA | NA | NA | NA | 165,000 [153,000] | NA | NA | NA | 26,600 J | NA | NA |
| Grain Size Analysis | | | | | | | | | | | | | | | |
| Sand, percent | % | NA | NA | 60.3 | NA | NA | NA | NA | 4.1 | NA | NA | NA | 94.7 | NA | NA |
| Gravel | % | NA | NA | 0.4 | NA | NA | NA | NA | 0 | NA | NA | NA | 0.6 | NA | NA |
| Coarse Sand | % | NA | NA | 0.7 | NA | NA | NA | NA | 0.6 | NA | NA | NA | 5.8 | NA | NA |
| Medium Sand | % | NA | NA | 6.4 | NA | NA | NA | NA | 0.6 | NA | NA | NA | 32.5 | NA | NA |
| Fine Sand | % | NA | NA | 53.2 | NA | NA | NA | NA | 2.9 | NA | NA | NA | 56.4 | NA | NA |
| Silt | % | NA | NA | 26.9 | NA | NA | NA | NA | 61.4 | NA | NA | NA | 0.7 | NA | NA |
| Clay | % | NA | NA | 12.4 | NA | NA | NA | NA | 34.5 | NA | NA | NA | 4 | NA | NA |
| Sieve, 3 inch | % passing (Particle Size um) | NA | NA | 100 (75000) | NA | NA | NA | NA | 100 (75000) | NA | NA | NA | 100 (75000) | NA | NA |
| Sieve, 2 inch | % passing (Particle Size um) | NA | NA | 100 (50000) | NA | NA | NA | NA | 100 (50000) | NA | NA | NA | 100 (50000) | NA | NA |
| Sieve, 1.5 inch | % passing (Particle Size um) | NA | NA | 100 (37500) | NA | NA | NA | NA | 100 (37500) | NA | NA | NA | 100 (37500) | NA | NA |
| Sieve, 1 inch | % passing (Particle Size um) | NA | NA | 100 (25000) | NA | NA | NA | NA | 100 (25000) | NA | NA | NA | 100 (25000) | NA | NA |
| Sieve, 3/4 inch | % passing (Particle Size um) | NA | NA | 100 (19000) | NA | NA | NA | NA | 100 (19000) | NA | NA | NA | 100 (19000) | NA | NA |
| Sieve, 3/8 inch | % passing (Particle Size um) | NA | NA | 100 (9500) | NA | NA | NA | NA | 100 (9500) | NA | NA | NA | 100 (9500) | NA | NA |
| Sieve, #4 | % passing (Particle Size um) | NA | NA | 99.6 (4750) | NA | NA | NA | NA | 100 (4750) | NA | NA | NA | 99.4 (4750) | NA | NA |
| Sieve, #10 | % passing (Particle Size um) | NA | NA | 98.9 (2000) | NA | NA | NA | NA | 99.4 (2000) | NA | NA | NA | 93.6 (2000) | NA | NA |
| Sieve, #20 | % passing (Particle Size um) | NA | NA | 95.6 (850) | NA | NA | NA | NA | 99.1 (850) | NA | NA | NA | 86 (850) | NA | NA |
| Sieve, #40 | % passing (Particle Size um) | NA | NA | 92.5 (425) | NA | NA | NA | NA | 98.8 (425) | NA | NA | NA | 61.1 (425) | NA | NA |
| Sieve, #60 | % passing (Particle Size um) | NA | NA | 81.6 (250) | NA | NA | NA | NA | 98.3 (250) | NA | NA | NA | 20 (250) | NA | NA |
| Sieve, #80 | % passing (Particle Size um) | NA | NA | 66.4 (180) | NA | NA | NA | NA | 97.9 (180) | NA | NA | NA | 9.3 (180) | NA | NA |
| Sieve, #100 | % passing (Particle Size um) | NA | NA | 57.4 (150) | NA | NA | NA | NA | 97.6 (150) | NA | NA | NA | 6.1 (150) | NA | NA |
| Sieve, #200 | % passing (Particle Size um) | NA | NA | 39.3 (75) | NA | NA | NA | NA | 95.9 (75) | NA | NA | NA | 4.7 (75) | NA | NA |
| Hydrometer Reading 1 | % passing (Particle Size um) | NA | NA | 28.9 (34) | NA | NA | NA | NA | 68.1 (30.5) | NA | NA | NA | 4.8 (36.2) | NA | NA |
| Hydrometer Reading 2 | % passing (Particle Size um) | NA | NA | 21.5 (22) | NA | NA | NA | NA | 50.4 (20.5) | NA | NA | NA | 4.8 (22.9) | NA | NA |
| Hydrometer Reading 3 | % passing (Particle Size um) | NA | NA | 17.1 (12.9) | NA | NA | NA | NA | 45.1 (12) | NA | NA | NA | 4 (13.3) | NA | NA |
| Hydrometer Reading 4 | % passing (Particle Size um) | NA | NA | 16.8 (9) | NA | NA | NA | NA | 41.6 (8.7) | NA | NA | NA | 4 (9.2) | NA | NA |
| Hydrometer Reading 5 | % passing (Particle Size um) | NA | NA | 12.4 (6.8) | NA | NA | NA | NA | 34.5 (6.1) | NA | NA | NA | 4 (6.6) | NA | NA |
| Hydrometer Reading 6 | % passing (Particle Size um) | NA | NA | 9.4 (3.4) | NA | NA | NA | NA | 25.4 (3.1) | NA | NA | NA | 2.4 (3.4) | NA | NA |
| Hydrometer Reading 7 | % passing (Particle Size um) | NA | NA | 7.9 (1.4) | NA | NA | NA | NA | 16.2 (1.3) | NA | NA | NA | 2.3 (1.4) | NA | NA |

See Notes on Page 14.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #58, December 2011

Table 2 - Area 2/Otsego City Impoundment Phase 2 Investigation - Validated Soil Sample Analytical Results Received in October 2011

| Sample Name: Sample Depth(in): Date Collected: Location ID: | Units | K26548 17 - 26 10/05/11 OCIFP-31 | K26549 [K25550] 0 - 6 10/05/11 OCIFP-32 | K26551 6 - 11 10/05/11 OCIFP-32 | K26552 11 - 24 10/05/11 OCIFP-32 | K26553 0 - 6 10/05/11 OCIFP-39 | K26554 6 - 11 10/05/11 OCIFP-39 | K26555 11 - 16 10/05/11 OCIFP-39 | K26556 16 - 20 10/05/11 OCIFP-39 | K26557 20 - 30 10/05/11 OCIFP-39 | K26559 0 - 6 10/06/11 OCIFP-19 | K26560 6 - 12 10/06/11 OCIFP-19 | K26561 [K26562] 12 - 24 10/06/11 OCIFP-19 | K26563 24 - 29 10/06/11 OCIFP-19 |
|--|------------------------------|---|--|--|---|---|--|---|---|---|---|--|--|---|
| PCB Aroclors | | | | | | | | | | | | | | |
| Aroclor-1016 | ug/kg | 83 U | 200 U [85 U] | 65 U | 21 U | 120 U | 1,300 U | 68 U | 29 U | 21 U | 20 U | 19 U | 45 U [24 U] | 20 U |
| Aroclor-1221 | ug/kg | 83 U | 200 U [85 U] | 65 U | 21 U | 120 U | 1,300 U | 68 U | 29 U | 21 U | 20 U | 19 U | 45 U [24 U] | 20 U |
| Aroclor-1232 | ug/kg | 83 U | 200 U [85 U] | 65 U | 21 U | 120 U | 1,300 U | 68 U | 29 U | 21 U | 20 U | 19 U | 45 U [24 U] | 20 U |
| Aroclor-1242 | ug/kg | 83 U | 200 U [85 U] | 65 U | 21 U | 120 U | 3,600 | 68 U | 29 U | 21 U | 20 U | 19 U | 200 [190] | 140 |
| Aroclor-1248 | ug/kg | 83 U | 980 [280 J] | 65 U | 21 U | 1,200 | 1,300 U | 150 | 32 | 21 U | 20 U | 19 U | 45 U [24 U] | 20 U |
| Aroclor-1254 | ug/kg | 83 U | 1,600 [600] | 65 U | 21 U | 1,200 | 1,900 | 68 U | 29 U | 21 U | 20 U | 19 U | 150 [140] | 48 |
| Aroclor-1260 | ug/kg | 83 U | 300 [92] | 65 U | 21 U | 230 | 1,300 U | 68 U | 29 U | 21 U | 20 U | 19 U | 24 J [24] | 20 U |
| Total PCBs | ug/kg | 83 U | 2,900 [970 J] | 65 U | 21 U | 2,600 | 5,500 | 150 | 32 | 21 U | 20 U | 19 U | 370 J [350] | 190 |
| Miscellaneous | | | | | | | | | | | | | | |
| Percent Solids | % | 21.1 | 17.4 [20.2] | 25.8 | 80.8 | 30.2 | 26.6 | 25 | 59.2 | 80.6 | 84.8 | 88.1 | 74.1 [72] | 80.2 |
| TOC | | | | | | | | | | | | | | |
| Total Organic Carbon | mg/kg | NA | 375,000 [294,000] | NA | NA | 202,000 | NA | NA | NA | NA | 22,700 | NA | NA | NA |
| Grain Size Analysis | | | | | | | | | | | | | | |
| Sand, percent | % | NA | 34 | NA | NA | 11 | NA | NA | NA | NA | 91.6 | NA | NA | NA |
| Gravel | % | NA | 8.5 | NA | NA | 0.9 | NA | NA | NA | NA | 0.5 | NA | NA | NA |
| Coarse Sand | % | NA | 27.4 | NA | NA | 4.1 | NA | NA | NA | NA | 2.8 | NA | NA | NA |
| Medium Sand | % | NA | 3 | NA | NA | 2.1 | NA | NA | NA | NA | 25.3 | NA | NA | NA |
| Fine Sand | % | NA | 3.6 | NA | NA | 4.8 | NA | NA | NA | NA | 63.5 | NA | NA | NA |
| Silt | % | NA | 35.6 | NA | NA | 60.1 | NA | NA | NA | NA | 5.6 | NA | NA | NA |
| Clay | % | NA | 21.9 | NA | NA | 28 | NA | NA | NA | NA | 2.3 | NA | NA | NA |
| Sieve, 3 inch | % passing (Particle Size um) | NA | 100 (75000) | NA | NA | 100 (75000) | NA | NA | NA | NA | 100 (75000) | NA | NA | NA |
| Sieve, 2 inch | % passing (Particle Size um) | NA | 100 (50000) | NA | NA | 100 (50000) | NA | NA | NA | NA | 100 (50000) | NA | NA | NA |
| Sieve, 1.5 inch | % passing (Particle Size um) | NA | 100 (37500) | NA | NA | 100 (37500) | NA | NA | NA | NA | 100 (37500) | NA | NA | NA |
| Sieve, 1 inch | % passing (Particle Size um) | NA | 100 (25000) | NA | NA | 100 (25000) | NA | NA | NA | NA | 100 (25000) | NA | NA | NA |
| Sieve, 3/4 inch | % passing (Particle Size um) | NA | 100 (19000) | NA | NA | 100 (19000) | NA | NA | NA | NA | 100 (19000) | NA | NA | NA |
| Sieve, 3/8 inch | % passing (Particle Size um) | NA | 100 (9500) | NA | NA | 100 (9500) | NA | NA | NA | NA | 100 (9500) | NA | NA | NA |
| Sieve, #4 | % passing (Particle Size um) | NA | 91.5 (4750) | NA | NA | 99.1 (4750) | NA | NA | NA | NA | 99.5 (4750) | NA | NA | NA |
| Sieve, #10 | % passing (Particle Size um) | NA | 64.1 (2000) | NA | NA | 95 (2000) | NA | NA | NA | NA | 96.7 (2000) | NA | NA | NA |
| Sieve, #20 | % passing (Particle Size um) | NA | 63.2 (850) | NA | NA | 94.2 (850) | NA | NA | NA | NA | 93.3 (850) | NA | NA | NA |
| Sieve, #40 | % passing (Particle Size um) | NA | 61.1 (425) | NA | NA | 92.9 (425) | NA | NA | NA | NA | 71.4 (425) | NA | NA | NA |
| Sieve, #60 | % passing (Particle Size um) | NA | 59.5 (250) | NA | NA | 91.1 (250) | NA | NA | NA | NA | 34.4 (250) | NA | NA | NA |
| Sieve, #80 | % passing (Particle Size um) | NA | 58.8 (180) | NA | NA | 90.2 (180) | NA | NA | NA | NA | 14.3 (180) | NA | NA | NA |
| Sieve, #100 | % passing (Particle Size um) | NA | 58.5 (150) | NA | NA | 89.8 (150) | NA | NA | NA | NA | 9.5 (150) | NA | NA | NA |
| Sieve, #200 | % passing (Particle Size um) | NA | 57.5 (75) | NA | NA | 88.1 (75) | NA | NA | NA | NA | 8 (75) | NA | NA | NA |
| Hydrometer Reading 1 | % passing (Particle Size um) | NA | 42.2 (35.2) | NA | NA | 65.4 (31.8) | NA | NA | NA | NA | 4.2 (36.4) | NA | NA | NA |
| Hydrometer Reading 2 | % passing (Particle Size um) | NA | 28.7 (22.7) | NA | NA | 44.6 (21.3) | NA | NA | NA | NA | 3.6 (23.1) | NA | NA | NA |
| Hydrometer Reading 3 | % passing (Particle Size um) | NA | 25.3 (13.2) | NA | NA | 40.5 (12.4) | NA | NA | NA | NA | 3.6 (13.4) | NA | NA | NA |
| Hydrometer Reading 4 | % passing (Particle Size um) | NA | 25.3 (9.1) | NA | NA | 34.2 (8.6) | NA | NA | NA | NA | 3 (9.3) | NA | NA | NA |
| Hydrometer Reading 5 | % passing (Particle Size um) | NA | 21.9 (6.7) | NA | NA | 28 (6.4) | NA | NA | NA | NA | 2.3 (6.8) | NA | NA | NA |
| Hydrometer Reading 6 | % passing (Particle Size um) | NA | 15.2 (3.2) | NA | NA | 21.4 (3.1) | NA | NA | NA | NA | 1.7 (3.4) | NA | NA | NA |
| Hydrometer Reading 7 | % passing (Particle Size um) | NA | 10.7 (1.4) | NA | NA | 12.8 (1.4) | NA | NA | NA | NA | 1.1 (1.4) | NA | NA | NA |

See Notes on Page 14.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #58, December 2011

Table 2 - Area 2/Otsego City Impoundment Phase 2 Investigation - Validated Soil Sample Analytical Results Received in October 2011

| Sample Name: Sample Depth(in): Date Collected: Location ID: | Units | K26564 0 - 6 10/06/11 OCIFP-20 | K26565 6 - 12 10/06/11 OCIFP-20 | K26566 12 - 24 10/06/11 OCIFP-20 | K26567 24 - 28 10/06/11 OCIFP-20 | K26568 0 - 6 10/06/11 OCIFP-22 | K26569 6 - 12 10/06/11 OCIFP-22 | K26570 12 - 24 10/06/11 OCIFP-22 | K26571 24 - 30 10/06/11 OCIFP-22 | K26572 0 - 6 10/06/11 OCIFP-24 | K26573 6 - 12 10/06/11 OCIFP-24 | K26574 12 - 24 10/06/11 OCIFP-24 | K26575 24 - 29 10/06/11 OCIFP-24 | K26576 0 - 6 10/06/11 OCIFP-25 | K26577 6 - 12 10/06/11 OCIFP-25 | |
|--|------------------------------|---|--|---|---|---|--|---|---|---|--|---|---|---|--|--|
| PCB Aroclors | | | | | | | | | | | | | | | | |
| Aroclor-1016 | ug/kg | 35 U | 21 U | 21 U | 65 U | 35 U | 30 U | 21 U | 21 U | 30 U | 18 U | 21 U | 20 U | 41 U | 20 U | |
| Aroclor-1221 | ug/kg | 35 U | 21 U | 21 U | 65 U | 35 U | 30 U | 21 U | 21 U | 30 U | 18 U | 21 U | 20 U | 41 U | 20 U | |
| Aroclor-1232 | ug/kg | 35 U | 21 U | 21 U | 65 U | 35 U | 30 U | 21 U | 21 U | 30 U | 18 U | 21 U | 20 U | 41 U | 20 U | |
| Aroclor-1242 | ug/kg | 35 U | 21 U | 37 | 330 | 29 J | 40 | 26 | 28 | 22 J | 18 U | 13 J | 20 U | 88 | 20 U | |
| Aroclor-1248 | ug/kg | 35 U | 21 U | 21 U | 65 U | 35 U | 30 U | 21 U | 21 U | 30 U | 18 U | 21 U | 20 U | 41 U | 20 U | |
| Aroclor-1254 | ug/kg | 20 J | 21 U | 19 J | 150 | 22 J | 22 J | 21 U | 21 U | 36 | 18 U | 21 U | 20 U | 100 | 15 J | |
| Aroclor-1260 | ug/kg | 35 U | 21 U | 21 U | 65 U | 35 U | 30 U | 21 U | 21 U | 30 U | 18 U | 21 U | 20 U | 29 J | 20 U | |
| Total PCBs | ug/kg | 20 J | 21 U | 56 J | 480 | 51 J | 62 J | 26 | 28 | 58 J | 18 U | 13 J | 20 U | 220 J | 15 J | |
| Miscellaneous | | | | | | | | | | | | | | | | |
| Percent Solids | % | 47.9 | 82 | 80.7 | 76.5 | 47.7 | 53.6 | 82.6 | 82.1 | 54.2 | 91.2 | 80.6 | 81.6 | 41.5 | 81.7 | |
| TOC | | | | | | | | | | | | | | | | |
| Total Organic Carbon | mg/kg | 92,900 | NA | NA | NA | 91,700 | NA | NA | NA | 94,100 | NA | NA | NA | 101,000 | NA | |
| Grain Size Analysis | | | | | | | | | | | | | | | | |
| Sand, percent | % | 71.4 | NA | NA | NA | 63.3 | NA | NA | NA | 72.2 | NA | NA | NA | 60.2 | NA | |
| Gravel | % | 0.7 | NA | NA | NA | 0.1 | NA | NA | NA | 0.1 | NA | NA | NA | 0 | NA | |
| Coarse Sand | % | 4.2 | NA | NA | NA | 1.5 | NA | NA | NA | 0.7 | NA | NA | NA | 1.1 | NA | |
| Medium Sand | % | 28.1 | NA | NA | NA | 9.6 | NA | NA | NA | 9.6 | NA | NA | NA | 9.5 | NA | |
| Fine Sand | % | 39.1 | NA | NA | NA | 52.2 | NA | NA | NA | 61.9 | NA | NA | NA | 49.6 | NA | |
| Silt | % | 20.5 | NA | NA | NA | 31.4 | NA | NA | NA | 19.3 | NA | NA | NA | 32.5 | NA | |
| Clay | % | 7.4 | NA | NA | NA | 5.2 | NA | NA | NA | 8.4 | NA | NA | NA | 7.3 | NA | |
| Sieve, 3 inch | % passing (Particle Size um) | 100 (75000) | NA | NA | NA | 100 (75000) | NA | NA | NA | 100 (75000) | NA | NA | NA | 100 (75000) | NA | |
| Sieve, 2 inch | % passing (Particle Size um) | 100 (50000) | NA | NA | NA | 100 (50000) | NA | NA | NA | 100 (50000) | NA | NA | NA | 100 (50000) | NA | |
| Sieve, 1.5 inch | % passing (Particle Size um) | 100 (37500) | NA | NA | NA | 100 (37500) | NA | NA | NA | 100 (37500) | NA | NA | NA | 100 (37500) | NA | |
| Sieve, 1 inch | % passing (Particle Size um) | 100 (25000) | NA | NA | NA | 100 (25000) | NA | NA | NA | 100 (25000) | NA | NA | NA | 100 (25000) | NA | |
| Sieve, 3/4 inch | % passing (Particle Size um) | 100 (19000) | NA | NA | NA | 100 (19000) | NA | NA | NA | 100 (19000) | NA | NA | NA | 100 (19000) | NA | |
| Sieve, 3/8 inch | % passing (Particle Size um) | 100 (9500) | NA | NA | NA | 100 (9500) | NA | NA | NA | 100 (9500) | NA | NA | NA | 100 (9500) | NA | |
| Sieve, #4 | % passing (Particle Size um) | 99.3 (4750) | NA | NA | NA | 99.9 (4750) | NA | NA | NA | 99.9 (4750) | NA | NA | NA | 100 (4750) | NA | |
| Sieve, #10 | % passing (Particle Size um) | 95.1 (2000) | NA | NA | NA | 98.4 (2000) | NA | NA | NA | 99.2 (2000) | NA | NA | NA | 98.9 (2000) | NA | |
| Sieve, #20 | % passing (Particle Size um) | 86.5 (850) | NA | NA | NA | 95.7 (850) | NA | NA | NA | 97.9 (850) | NA | NA | NA | 96.2 (850) | NA | |
| Sieve, #40 | % passing (Particle Size um) | 67 (425) | NA | NA | NA | 88.8 (425) | NA | NA | NA | 89.6 (425) | NA | NA | NA | 89.4 (425) | NA | |
| Sieve, #60 | % passing (Particle Size um) | 38.2 (250) | NA | NA | NA | 71.8 (250) | NA | NA | NA | 67.1 (250) | NA | NA | NA | 74.2 (250) | NA | |
| Sieve, #80 | % passing (Particle Size um) | 31.6 (180) | NA | NA | NA | 56.6 (180) | NA | NA | NA | 54.6 (180) | NA | NA | NA | 62.6 (180) | NA | |
| Sieve, #100 | % passing (Particle Size um) | 30.4 (150) | NA | NA | NA | 50.2 (150) | NA | NA | NA | 46.6 (150) | NA | NA | NA | 54 (150) | NA | |
| Sieve, #200 | % passing (Particle Size um) | 27.9 (75) | NA | NA | NA | 36.6 (75) | NA | NA | NA | 27.7 (75) | NA | NA | NA | 39.8 (75) | NA | |
| Hydrometer Reading 1 | % passing (Particle Size um) | 23 (33.3) | NA | NA | NA | 24.7 (32.7) | NA | NA | NA | 27 (33.1) | NA | NA | NA | 20.7 (33.6) | NA | |
| Hydrometer Reading 2 | % passing (Particle Size um) | 13.3 (22.1) | NA | NA | NA | 11.8 (22.2) | NA | NA | NA | 15 (22.1) | NA | NA | NA | 13.1 (22.1) | NA | |
| Hydrometer Reading 3 | % passing (Particle Size um) | 11.4 (12.9) | NA | NA | NA | 9 (13) | NA | NA | NA | 11.7 (13) | NA | NA | NA | 11.2 (12.9) | NA | |
| Hydrometer Reading 4 | % passing (Particle Size um) | 9.4 (9.1) | NA | NA | NA | 7.2 (9) | NA | NA | NA | 10.6 (9.2) | NA | NA | NA | 9.2 (9.3) | NA | |
| Hydrometer Reading 5 | % passing (Particle Size um) | 7.4 (6.7) | NA | NA | NA | 5.2 (6.7) | NA | NA | NA | 8.4 (6.5) | NA | NA | NA | 7.3 (6.8) | NA | |
| Hydrometer Reading 6 | % passing (Particle Size um) | 5.5 (3.2) | NA | NA | NA | 4.3 (3.2) | NA | NA | NA | 6.2 (3.3) | NA | NA | NA | 5.4 (3.3) | NA | |
| Hydrometer Reading 7 | % passing (Particle Size um) | 4.5 (1.4) | NA | NA | NA | 3.4 (1.4) | NA | NA | NA | 4 (1.4) | NA | NA | NA | 4.5 (1.4) | NA | |

See Notes on Page 14.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
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Table 2 - Area 2/Otsego City Impoundment Phase 2 Investigation - Validated Soil Sample Analytical Results Received in October 2011

| Sample Name: Sample Depth(in): Date Collected: Location ID: | Units | K26578 [K26579] 12 - 24 10/06/11 OCIFP-25 | K26580 24 - 27 10/06/11 OCIFP-25 | K26581 0 - 6 10/06/11 OCIFP-27 | K26582 6 - 9 10/06/11 OCIFP-27 | K26583 9 - 12 10/06/11 OCIFP-27 | K26584 12 - 24 10/06/11 OCIFP-27 | K26585 24 - 29 10/06/11 OCIFP-27 | K26586 0 - 5 10/06/11 OCIFP-34 | K26587 5 - 8 10/06/11 OCIFP-34 | K26588 8 - 12 10/06/11 OCIFP-34 | K26589 12 - 16 10/06/11 OCIFP-34 | K26590 16 - 26 10/06/11 OCIFP-34 | K26591 0 - 6 10/06/11 OCIFP-36 | K26592 6 - 12 10/06/11 OCIFP-36 |
|--|------------------------------|--|---|---|---|--|---|---|---|---|--|---|---|---|--|
| PCB Aroclors | | | | | | | | | | | | | | | |
| Aroclor-1016 | ug/kg | 21 U [21 U] | 21 U | 29 U | 23 U | 820 U | 64 U | 20 U | 200 U | 390 U | 51 U | 50 U | 50 U | 22 U | 20 U |
| Aroclor-1221 | ug/kg | 21 U [21 U] | 21 U | 29 U | 23 U | 820 U | 64 U | 20 U | 200 U | 390 U | 51 U | 50 U | 50 U | 22 U | 20 U |
| Aroclor-1232 | ug/kg | 21 U [21 U] | 21 U | 29 U | 23 U | 820 U | 64 U | 20 U | 200 U | 390 U | 51 U | 50 U | 50 U | 22 U | 20 U |
| Aroclor-1242 | ug/kg | 54 [55] | 69 | 59 | 160 | 4,200 | 450 | 13 J | 200 U | 390 U | 51 U | 50 U | 50 U | 32 | 20 U |
| Aroclor-1248 | ug/kg | 21 U [21 U] | 21 U | 29 U | 23 U | 820 U | 64 U | 20 U | 1,200 | 2,300 | 110 | 50 U | 50 U | 22 U | 20 U |
| Aroclor-1254 | ug/kg | 49 [47] | 52 | 54 | 130 | 2,400 | 120 | 20 U | 1,200 | 2,100 | 50 J | 50 U | 50 U | 42 | 20 U |
| Aroclor-1260 | ug/kg | 21 U [21 U] | 21 U | 29 U | 17 J | 820 U | 64 U | 20 U | 270 | 440 | 90 J | 53 J | 50 U | 15 J | 20 U |
| Total PCBs | ug/kg | 100 [100] | 120 | 110 | 310 J | 6,600 | 570 | 13 J | 2,700 | 4,800 | 250 J | 53 J | 50 U | 89 J | 20 U |
| Miscellaneous | | | | | | | | | | | | | | | |
| Percent Solids | % | 77.6 [76.5] | 79.6 | 56.4 | 73.2 | 41.7 | 76.7 | 85.4 | 26.4 | 21.1 | 33.9 | 33.7 | 32.2 | 76.9 | 81.9 |
| TOC | | | | | | | | | | | | | | | |
| Total Organic Carbon | mg/kg | NA | NA | 86,200 | NA | NA | NA | NA | 201,000 | NA | NA | NA | NA | 22,300 | NA |
| Grain Size Analysis | | | | | | | | | | | | | | | |
| Sand, percent | % | NA | NA | 86.2 | NA | NA | NA | NA | 41.8 | NA | NA | NA | NA | 83.4 | NA |
| Gravel | % | NA | NA | 0.5 | NA | NA | NA | NA | 3.1 | NA | NA | NA | NA | 1.5 | NA |
| Coarse Sand | % | NA | NA | 5 | NA | NA | NA | NA | 19.1 | NA | NA | NA | NA | 1.8 | NA |
| Medium Sand | % | NA | NA | 32.1 | NA | NA | NA | NA | 11.4 | NA | NA | NA | NA | 18.3 | NA |
| Fine Sand | % | NA | NA | 49.1 | NA | NA | NA | NA | 11.3 | NA | NA | NA | NA | 63.3 | NA |
| Silt | % | NA | NA | 8.6 | NA | NA | NA | NA | 41.6 | NA | NA | NA | NA | 10.4 | NA |
| Clay | % | NA | NA | 4.7 | NA | NA | NA | NA | 13.5 | NA | NA | NA | NA | 4.7 | NA |
| Sieve, 3 inch | % passing (Particle Size um) | NA | NA | 100 (75000) | NA | NA | NA | NA | 100 (75000) | NA | NA | NA | NA | 100 (75000) | NA |
| Sieve, 2 inch | % passing (Particle Size um) | NA | NA | 100 (50000) | NA | NA | NA | NA | 100 (50000) | NA | NA | NA | NA | 100 (50000) | NA |
| Sieve, 1.5 inch | % passing (Particle Size um) | NA | NA | 100 (37500) | NA | NA | NA | NA | 100 (37500) | NA | NA | NA | NA | 100 (37500) | NA |
| Sieve, 1 inch | % passing (Particle Size um) | NA | NA | 100 (25000) | NA | NA | NA | NA | 100 (25000) | NA | NA | NA | NA | 100 (25000) | NA |
| Sieve, 3/4 inch | % passing (Particle Size um) | NA | NA | 100 (19000) | NA | NA | NA | NA | 100 (19000) | NA | NA | NA | NA | 100 (19000) | NA |
| Sieve, 3/8 inch | % passing (Particle Size um) | NA | NA | 100 (9500) | NA | NA | NA | NA | 100 (9500) | NA | NA | NA | NA | 100 (9500) | NA |
| Sieve, #4 | % passing (Particle Size um) | NA | NA | 99.5 (4750) | NA | NA | NA | NA | 96.9 (4750) | NA | NA | NA | NA | 98.5 (4750) | NA |
| Sieve, #10 | % passing (Particle Size um) | NA | NA | 94.5 (2000) | NA | NA | NA | NA | 77.8 (2000) | NA | NA | NA | NA | 96.7 (2000) | NA |
| Sieve, #20 | % passing (Particle Size um) | NA | NA | 85.2 (850) | NA | NA | NA | NA | 72.2 (850) | NA | NA | NA | NA | 91.7 (850) | NA |
| Sieve, #40 | % passing (Particle Size um) | NA | NA | 62.4 (425) | NA | NA | NA | NA | 66.4 (425) | NA | NA | NA | NA | 78.4 (425) | NA |
| Sieve, #60 | % passing (Particle Size um) | NA | NA | 35.6 (250) | NA | NA | NA | NA | 61.4 (250) | NA | NA | NA | NA | 51 (250) | NA |
| Sieve, #80 | % passing (Particle Size um) | NA | NA | 23.5 (180) | NA | NA | NA | NA | 59.1 (180) | NA | NA | NA | NA | 36.2 (180) | NA |
| Sieve, #100 | % passing (Particle Size um) | NA | NA | 18.7 (150) | NA | NA | NA | NA | 58 (150) | NA | NA | NA | NA | 27.4 (150) | NA |
| Sieve, #200 | % passing (Particle Size um) | NA | NA | 13.3 (75) | NA | NA | NA | NA | 55.1 (75) | NA | NA | NA | NA | 15.1 (75) | NA |
| Hydrometer Reading 1 | % passing (Particle Size um) | NA | NA | 12.4 (34.3) | NA | NA | NA | NA | 48.4 (34.5) | NA | NA | NA | NA | 11.6 (34.2) | NA |
| Hydrometer Reading 2 | % passing (Particle Size um) | NA | NA | 8.2 (22.4) | NA | NA | NA | NA | 22.4 (22.8) | NA | NA | NA | NA | 8.2 (22.2) | NA |
| Hydrometer Reading 3 | % passing (Particle Size um) | NA | NA | 6.8 (13) | NA | NA | NA | NA | 16.4 (13.4) | NA | NA | NA | NA | 6.1 (13) | NA |
| Hydrometer Reading 4 | % passing (Particle Size um) | NA | NA | 6.1 (9.3) | NA | NA | NA | NA | 16.4 (9.3) | NA | NA | NA | NA | 4.7 (9.3) | NA |
| Hydrometer Reading 5 | % passing (Particle Size um) | NA | NA | 4.7 (6.5) | NA | NA | NA | NA | 13.5 (6.9) | NA | NA | NA | NA | 4.7 (6.6) | NA |
| Hydrometer Reading 6 | % passing (Particle Size um) | NA | NA | 3.3 (3.3) | NA | NA | NA | NA | 10.6 (3.4) | NA | NA | NA | NA | 2.5 (3.2) | NA |
| Hydrometer Reading 7 | % passing (Particle Size um) | NA | NA | 1.9 (1.4) | NA | NA | NA | NA | 7.7 (1.4) | NA | NA | NA | NA | 1.8 (1.4) | NA |

See Notes on Page 14.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #58, December 2011

Table 2 - Area 2/Otsego City Impoundment Phase 2 Investigation - Validated Soil Sample Analytical Results Received in October 2011

| Sample Name: Sample Depth(in): Date Collected: Location ID: | Units | K26593 [K26594] 12 - 24 10/06/11 OCIFP-36 | K26595 24 - 27 10/06/11 OCIFP-36 | K26596 0 - 6 10/06/11 OCIFP-37 | K26597 6 - 12 10/06/11 OCIFP-37 | K26598 12 - 17 10/06/11 OCIFP-37 | K26599 17 - 26 10/06/11 OCIFP-37 | K26600 0 - 6 10/06/11 OCIFP-40 | K26601 6 - 12 10/06/11 OCIFP-40 | K26602 12 - 24 10/06/11 OCIFP-40 | K26603 24 - 26 10/06/11 OCIFP-40 | K26604 0 - 5 10/06/11 OCIFP-41 | K26605 5 - 12 10/06/11 OCIFP-41 | K26606 12 - 20 10/06/11 OCIFP-41 | K26607 20 - 27 10/06/11 OCIFP-41 | |
|--|------------------------------|--|---|---|--|---|---|---|--|---|---|---|--|---|---|--|
| PCB Aroclors | | | | | | | | | | | | | | | | |
| Aroclor-1016 | ug/kg | 20 U [21 U] | 21 U | 310 U | 56 U | 46 U | 76 U | 21 U | 19 U | 22 U | 18 U | 39 U | 40 U | 41 U | 96 U | |
| Aroclor-1221 | ug/kg | 20 U [21 U] | 21 U | 310 U | 56 U | 46 U | 76 U | 21 U | 19 U | 22 U | 18 U | 39 U | 40 U | 41 U | 96 U | |
| Aroclor-1232 | ug/kg | 20 U [21 U] | 21 U | 310 U | 56 U | 46 U | 76 U | 21 U | 19 U | 22 U | 18 U | 39 U | 40 U | 41 U | 96 U | |
| Aroclor-1242 | ug/kg | 20 U [21 U] | 51 | 310 U | 56 U | 46 U | 76 U | 21 U | 19 U | 22 U | 18 U | 44 | 40 U | 41 U | 96 U | |
| Aroclor-1248 | ug/kg | 20 U [21 U] | 21 U | 1,100 J | 56 U | 46 U | 76 U | 21 U | 19 U | 22 U | 18 U | 39 U | 40 U | 41 U | 96 U | |
| Aroclor-1254 | ug/kg | 20 U [21 U] | 47 | 2,300 | 130 J | 46 U | 76 U | 21 U | 19 U | 22 U | 18 U | 47 J | 61 | 41 U | 96 U | |
| Aroclor-1260 | ug/kg | 20 U [21 U] | 21 U | 420 | 220 J | 27 J | 76 U | 21 U | 19 U | 22 U | 18 U | 39 U | 54 J | 41 U | 96 U | |
| Total PCBs | ug/kg | 20 U [21 U] | 98 | 3,800 J | 350 J | 27 J | 76 U | 21 U | 19 U | 22 U | 18 U | 91 J | 120 J | 41 U | 96 U | |
| Miscellaneous | | | | | | | | | | | | | | | | |
| Percent Solids | % | 82.4 [80] | 81.5 | 26.4 | 29.2 | 36 | 21.6 | 76.1 | 86.5 | 74.1 | 88.3 | 42.9 | 42.7 | 40.8 | 17.7 | |
| TOC | | | | | | | | | | | | | | | | |
| Total Organic Carbon | mg/kg | NA | NA | 199,000 | NA | NA | NA | 37,800 | NA | NA | NA | 114,000 | NA | NA | NA | |
| Grain Size Analysis | | | | | | | | | | | | | | | | |
| Sand, percent | % | NA | NA | 45.5 | NA | NA | NA | 88.1 | NA | NA | NA | 66.1 | NA | NA | NA | |
| Gravel | % | NA | NA | 0 | NA | NA | NA | 0.4 | NA | NA | NA | 0.3 | NA | NA | NA | |
| Coarse Sand | % | NA | NA | 7.4 | NA | NA | NA | 1.4 | NA | NA | NA | 1.9 | NA | NA | NA | |
| Medium Sand | % | NA | NA | 23.9 | NA | NA | NA | 24.3 | NA | NA | NA | 17.4 | NA | NA | NA | |
| Fine Sand | % | NA | NA | 14.2 | NA | NA | NA | 62.4 | NA | NA | NA | 46.8 | NA | NA | NA | |
| Silt | % | NA | NA | 40.4 | NA | NA | NA | 7.6 | NA | NA | NA | 28.9 | NA | NA | NA | |
| Clay | % | NA | NA | 14.1 | NA | NA | NA | 3.9 | NA | NA | NA | 4.8 | NA | NA | NA | |
| Sieve, 3 inch | % passing (Particle Size um) | NA | NA | 100 (75000) | NA | NA | NA | 100 (75000) | NA | NA | NA | 100 (75000) | NA | NA | NA | |
| Sieve, 2 inch | % passing (Particle Size um) | NA | NA | 100 (50000) | NA | NA | NA | 100 (50000) | NA | NA | NA | 100 (50000) | NA | NA | NA | |
| Sieve, 1.5 inch | % passing (Particle Size um) | NA | NA | 100 (37500) | NA | NA | NA | 100 (37500) | NA | NA | NA | 100 (37500) | NA | NA | NA | |
| Sieve, 1 inch | % passing (Particle Size um) | NA | NA | 100 (25000) | NA | NA | NA | 100 (25000) | NA | NA | NA | 100 (25000) | NA | NA | NA | |
| Sieve, 3/4 inch | % passing (Particle Size um) | NA | NA | 100 (19000) | NA | NA | NA | 100 (19000) | NA | NA | NA | 100 (19000) | NA | NA | NA | |
| Sieve, 3/8 inch | % passing (Particle Size um) | NA | NA | 100 (9500) | NA | NA | NA | 100 (9500) | NA | NA | NA | 100 (9500) | NA | NA | NA | |
| Sieve, #4 | % passing (Particle Size um) | NA | NA | 100 (4750) | NA | NA | NA | 99.6 (4750) | NA | NA | NA | 99.7 (4750) | NA | NA | NA | |
| Sieve, #10 | % passing (Particle Size um) | NA | NA | 92.6 (2000) | NA | NA | NA | 98.2 (2000) | NA | NA | NA | 97.8 (2000) | NA | NA | NA | |
| Sieve, #20 | % passing (Particle Size um) | NA | NA | 79.7 (850) | NA | NA | NA | 88.7 (850) | NA | NA | NA | 90.9 (850) | NA | NA | NA | |
| Sieve, #40 | % passing (Particle Size um) | NA | NA | 68.7 (425) | NA | NA | NA | 73.9 (425) | NA | NA | NA | 80.4 (425) | NA | NA | NA | |
| Sieve, #60 | % passing (Particle Size um) | NA | NA | 62.8 (250) | NA | NA | NA | 33.6 (250) | NA | NA | NA | 55.8 (250) | NA | NA | NA | |
| Sieve, #80 | % passing (Particle Size um) | NA | NA | 60.1 (180) | NA | NA | NA | 20.5 (180) | NA | NA | NA | 43.6 (180) | NA | NA | NA | |
| Sieve, #100 | % passing (Particle Size um) | NA | NA | 58.7 (150) | NA | NA | NA | 16.7 (150) | NA | NA | NA | 40.4 (150) | NA | NA | NA | |
| Sieve, #200 | % passing (Particle Size um) | NA | NA | 54.5 (75) | NA | NA | NA | 11.5 (75) | NA | NA | NA | 33.6 (75) | NA | NA | NA | |
| Hydrometer Reading 1 | % passing (Particle Size um) | NA | NA | 49.9 (32.9) | NA | NA | NA | 11.4 (34.2) | NA | NA | NA | 19 (34.5) | NA | NA | NA | |
| Hydrometer Reading 2 | % passing (Particle Size um) | NA | NA | 22.5 (22.3) | NA | NA | NA | 8.7 (22.1) | NA | NA | NA | 8.6 (22.7) | NA | NA | NA | |
| Hydrometer Reading 3 | % passing (Particle Size um) | NA | NA | 18.3 (13) | NA | NA | NA | 6 (13) | NA | NA | NA | 6 (13.2) | NA | NA | NA | |
| Hydrometer Reading 4 | % passing (Particle Size um) | NA | NA | 14.1 (9.3) | NA | NA | NA | 5.3 (9.4) | NA | NA | NA | 6 (9.5) | NA | NA | NA | |
| Hydrometer Reading 5 | % passing (Particle Size um) | NA | NA | 14.1 (6.7) | NA | NA | NA | 3.9 (6.7) | NA | NA | NA | 4.8 (6.5) | NA | NA | NA | |
| Hydrometer Reading 6 | % passing (Particle Size um) | NA | NA | 7.6 (3.2) | NA | NA | NA | 1.8 (3.3) | NA | NA | NA | 3.4 (3.3) | NA | NA | NA | |
| Hydrometer Reading 7 | % passing (Particle Size um) | NA | NA | 5.4 (1.4) | NA | NA | NA | 1.1 (1.4) | NA | NA | NA | 2.1 (1.4) | NA | NA | NA | |

See Notes on Page 14.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #58, December 2011

Table 2 - Area 2/Otsego City Impoundment Phase 2 Investigation - Validated Soil Sample Analytical Results Received in October 2011

| Sample Name: Sample Depth(in): Date Collected: Location ID: | Units | K26608 0 - 6 10/06/11 OCIFP-46 | K26609 6 - 12 10/06/11 OCIFP-46 | K26610 12 - 24 10/06/11 OCIFP-46 | K26611 24 - 28 10/06/11 OCIFP-46 | K26612 0 - 7 10/06/11 OCIFP-47 | K26613 [K26614] 7 - 12 10/06/11 OCIFP-47 | K26649 0 - 4 10/07/11 OCIFP-76 | K26650 4 - 12 10/07/11 OCIFP-76 | K26651 12 - 15 10/07/11 OCIFP-76 | K26652 15 - 20 10/07/11 OCIFP-76 | K26653 20 - 21 10/07/11 OCIFP-76 | K26654 0 - 6 10/07/11 OCIFP-80 | K26655 6 - 12 10/07/11 OCIFP-80 |
|--|------------------------------|---|--|---|---|---|---|---|--|---|---|---|---|--|
| PCB Aroclors | | | | | | | | | | | | | | |
| Aroclor-1016 | ug/kg | 19 U | 19 U | 20 U | 1,100 U | 59 U | 50 U [52 U] | 100 U | 19 U | 18 U | 58 U | 110 U | 88 U | 20 U |
| Aroclor-1221 | ug/kg | 19 U | 19 U | 20 U | 1,100 U | 59 U | 50 U [52 U] | 100 U | 19 U | 18 U | 58 U | 110 U | 88 U | 20 U |
| Aroclor-1232 | ug/kg | 19 U | 19 U | 20 U | 1,100 U | 59 U | 50 U [52 U] | 100 U | 19 U | 18 U | 58 U | 110 U | 88 U | 20 U |
| Aroclor-1242 | ug/kg | 19 U | 19 U | 20 U | 9,200 | 160 | 220 [190] | 430 | 140 | 150 | 370 | 970 | 220 | 56 |
| Aroclor-1248 | ug/kg | 19 U | 19 U | 20 U | 1,100 U | 59 U | 50 U [52 U] | 100 U | 19 U | 18 U | 58 U | 110 U | 88 U | 20 U |
| Aroclor-1254 | ug/kg | 19 U | 19 U | 20 U | 1,600 | 390 | 290 [280] | 520 | 51 J | 36 J | 170 | 360 | 310 | 20 J |
| Aroclor-1260 | ug/kg | 19 U | 19 U | 20 U | 1,100 U | 120 | 250 [250] | 150 | 19 U | 18 U | 58 U | 110 U | 80 J | 20 U |
| Total PCBs | ug/kg | 19 U | 19 U | 20 U | 11,000 | 670 | 760 [720] | 1,100 | 190 J | 190 J | 540 | 1,300 | 610 J | 76 J |
| Miscellaneous | | | | | | | | | | | | | | |
| Percent Solids | % | 86.6 | 89.8 | 83 | 73.5 | 28.8 | 33 [32.4] | 33.1 | 88 | 89.7 | 85.7 | 79.9 | 38.7 | 83.1 |
| TOC | | | | | | | | | | | | | | |
| Total Organic Carbon | mg/kg | 15,900 | NA | NA | NA | 190,000 | NA | 148,000 | NA | NA | NA | NA | 94,900 | NA |
| Grain Size Analysis | | | | | | | | | | | | | | |
| Sand, percent | % | 90.8 | NA | NA | NA | 32.8 | NA | 71 | NA | NA | NA | NA | 90 | NA |
| Gravel | % | 0.4 | NA | NA | NA | 1.1 | NA | 1.3 | NA | NA | NA | NA | 1.8 | NA |
| Coarse Sand | % | 1.3 | NA | NA | NA | 3.2 | NA | 9.4 | NA | NA | NA | NA | 29.1 | NA |
| Medium Sand | % | 24.9 | NA | NA | NA | 15.2 | NA | 19.9 | NA | NA | NA | NA | 45.5 | NA |
| Fine Sand | % | 64.6 | NA | NA | NA | 14.4 | NA | 41.7 | NA | NA | NA | NA | 15.4 | NA |
| Silt | % | 6.2 | NA | NA | NA | 53.7 | NA | 15.9 | NA | NA | NA | NA | 4.4 | NA |
| Clay | % | 2.6 | NA | NA | NA | 12.4 | NA | 11.8 | NA | NA | NA | NA | 3.8 | NA |
| Sieve, 3 inch | % passing (Particle Size um) | 100 (75000) | NA | NA | NA | 100 (75000) | NA | 100 (75000) | NA | NA | NA | NA | 100 (75000) | NA |
| Sieve, 2 inch | % passing (Particle Size um) | 100 (50000) | NA | NA | NA | 100 (50000) | NA | 100 (50000) | NA | NA | NA | NA | 100 (50000) | NA |
| Sieve, 1.5 inch | % passing (Particle Size um) | 100 (37500) | NA | NA | NA | 100 (37500) | NA | 100 (37500) | NA | NA | NA | NA | 100 (37500) | NA |
| Sieve, 1 inch | % passing (Particle Size um) | 100 (25000) | NA | NA | NA | 100 (25000) | NA | 100 (25000) | NA | NA | NA | NA | 100 (25000) | NA |
| Sieve, 3/4 inch | % passing (Particle Size um) | 100 (19000) | NA | NA | NA | 100 (19000) | NA | 100 (19000) | NA | NA | NA | NA | 100 (19000) | NA |
| Sieve, 3/8 inch | % passing (Particle Size um) | 100 (9500) | NA | NA | NA | 100 (9500) | NA | 100 (9500) | NA | NA | NA | NA | 100 (9500) | NA |
| Sieve, #4 | % passing (Particle Size um) | 99.6 (4750) | NA | NA | NA | 98.9 (4750) | NA | 98.7 (4750) | NA | NA | NA | NA | 98.2 (4750) | NA |
| Sieve, #10 | % passing (Particle Size um) | 98.3 (2000) | NA | NA | NA | 95.7 (2000) | NA | 89.3 (2000) | NA | NA | NA | NA | 69.1 (2000) | NA |
| Sieve, #20 | % passing (Particle Size um) | 91.7 (850) | NA | NA | NA | 87.9 (850) | NA | 79.6 (850) | NA | NA | NA | NA | 48 (850) | NA |
| Sieve, #40 | % passing (Particle Size um) | 73.4 (425) | NA | NA | NA | 80.5 (425) | NA | 69.4 (425) | NA | NA | NA | NA | 23.6 (425) | NA |
| Sieve, #60 | % passing (Particle Size um) | 24.2 (250) | NA | NA | NA | 75 (250) | NA | 58.6 (250) | NA | NA | NA | NA | 11.7 (250) | NA |
| Sieve, #80 | % passing (Particle Size um) | 11.2 (180) | NA | NA | NA | 72.2 (180) | NA | 53 (180) | NA | NA | NA | NA | 10.3 (180) | NA |
| Sieve, #100 | % passing (Particle Size um) | 9.8 (150) | NA | NA | NA | 70.6 (150) | NA | 47.2 (150) | NA | NA | NA | NA | 9.6 (150) | NA |
| Sieve, #200 | % passing (Particle Size um) | 8.8 (75) | NA | NA | NA | 66.1 (75) | NA | 27.7 (75) | NA | NA | NA | NA | 8.2 (75) | NA |
| Hydrometer Reading 1 | % passing (Particle Size um) | 7.5 (35.2) | NA | NA | NA | 62.7 (31.1) | NA | 24.5 (33.8) | NA | NA | NA | NA | 8 (35.1) | NA |
| Hydrometer Reading 2 | % passing (Particle Size um) | 5.4 (22.6) | NA | NA | NA | 27.3 (21.8) | NA | 20.8 (21.7) | NA | NA | NA | NA | 6.6 (22.4) | NA |
| Hydrometer Reading 3 | % passing (Particle Size um) | 4.7 (13.1) | NA | NA | NA | 19.9 (12.9) | NA | 16.8 (12.8) | NA | NA | NA | NA | 6 (13) | NA |
| Hydrometer Reading 4 | % passing (Particle Size um) | 3.3 (9.2) | NA | NA | NA | 16.1 (9) | NA | 15.6 (9.2) | NA | NA | NA | NA | 5.3 (9.4) | NA |
| Hydrometer Reading 5 | % passing (Particle Size um) | 2.6 (6.6) | NA | NA | NA | 12.4 (6.6) | NA | 11.8 (6.6) | NA | NA | NA | NA | 3.8 (6.5) | NA |
| Hydrometer Reading 6 | % passing (Particle Size um) | 1.1 (3.4) | NA | NA | NA | 6.7 (3.4) | NA | 10.4 (3.2) | NA | NA | NA | NA | 3 (3.3) | NA |
| Hydrometer Reading 7 | % passing (Particle Size um) | 0.4 (1.4) | NA | NA | NA | 4.8 (1.4) | NA | 7.9 (1.4) | NA | NA | NA | NA | 2.3 (1.4) | NA |

See Notes on Page 14.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #58, December 2011

Table 2 - Area 2/Otsego City Impoundment Phase 2 Investigation - Validated Soil Sample Analytical Results Received in October 2011

| Sample Name: Sample Depth(in): Date Collected: Location ID: | Units | K26656 12 - 16 10/07/11 OCIFP-80 | K26657 16 - 19 10/07/11 OCIFP-80 | K26658 0 - 6 10/07/11 OCIFP-86 | K26659 6 - 12 10/07/11 OCIFP-86 | K26660 12 - 22 10/07/11 OCIFP-86 | K26661 0 - 2 10/07/11 OCIFP-87 | K26662 2 - 8 10/07/11 OCIFP-87 | K26663 8 - 12 10/07/11 OCIFP-87 | K26664 [K26665] 12 - 25 10/07/11 OCIFP-87 | K26666 0 - 8 10/07/11 OCIFP-97 | K26667 8 - 10 10/07/11 OCIFP-97 | K26668 10 - 19 10/07/11 OCIFP-97 | K26669 19 - 24 10/07/11 OCIFP-97 | K26670 0 - 2 10/07/11 OCIFP-99 |
|--|------------------------------|---|---|---|--|---|---|---|--|--|---|--|---|---|---|
| PCB Aroclors | | | | | | | | | | | | | | | |
| Aroclor-1016 | ug/kg | 36 U | 36 U | 42 U | 19 U | 38 U | 20 U | 56 U | 91 U | 82 U [100 U] | 110 U | 38 U | 1,800 U | 100 U | 45 U |
| Aroclor-1221 | ug/kg | 36 U | 36 U | 42 U | 19 U | 38 U | 20 U | 56 U | 91 U | 82 U [100 U] | 110 U | 38 U | 1,800 U | 100 U | 45 U |
| Aroclor-1232 | ug/kg | 36 U | 36 U | 42 U | 19 U | 38 U | 20 U | 56 U | 91 U | 82 U [100 U] | 110 U | 38 U | 1,800 U | 100 U | 45 U |
| Aroclor-1242 | ug/kg | 290 | 180 | 150 | 93 | 130 | 91 | 130 | 330 | 370 [310] | 110 U | 83 | 15,000 | 530 | 100 |
| Aroclor-1248 | ug/kg | 36 U | 36 U | 42 U | 19 U | 38 U | 20 U | 56 U | 91 U | 82 U [100 U] | 350 | 38 U | 1,800 U | 100 U | 45 U |
| Aroclor-1254 | ug/kg | 45 J | 37 J | 42 U | 88 | 63 | 110 | 210 | 440 | 250 [210] | 430 | 69 | 15,000 | 200 J | 240 |
| Aroclor-1260 | ug/kg | 36 U | 36 U | 41 J | 12 J | 38 U | 31 | 42 J | 62 J | 82 U [100 U] | 110 | 38 U | 2,400 | 100 U | 62 |
| Total PCBs | ug/kg | 340 J | 220 J | 190 J | 190 J | 190 | 230 | 380 J | 830 J | 620 [520] | 890 | 150 | 32,000 | 730 J | 400 |
| Miscellaneous | | | | | | | | | | | | | | | |
| Percent Solids | % | 90.5 | 89.7 | 80.8 | 86.8 | 88.2 | 82.7 | 90 | 90.4 | 83.8 [81.2] | 43.4 | 84.1 | 36.3 | 80.8 | 71.1 |
| TOC | | | | | | | | | | | | | | | |
| Total Organic Carbon | mg/kg | NA | NA | 57,800 | NA | NA | 39,100 | NA | NA | NA | 130,000 | NA | NA | NA | 124,000 |
| Grain Size Analysis | | | | | | | | | | | | | | | |
| Sand, percent | % | NA | NA | 81.3 | NA | NA | 94.8 | NA | NA | NA | 20.7 | NA | NA | NA | 81.7 |
| Gravel | % | NA | NA | 2.4 | NA | NA | 0.4 | NA | NA | NA | 0.3 | NA | NA | NA | 3 |
| Coarse Sand | % | NA | NA | 16.3 | NA | NA | 7.4 | NA | NA | NA | 1.4 | NA | NA | NA | 28.1 |
| Medium Sand | % | NA | NA | 35.9 | NA | NA | 43.8 | NA | NA | NA | 4.8 | NA | NA | NA | 38.6 |
| Fine Sand | % | NA | NA | 29.1 | NA | NA | 43.6 | NA | NA | NA | 14.5 | NA | NA | NA | 15 |
| Silt | % | NA | NA | 13 | NA | NA | 2.1 | NA | NA | NA | 60.5 | NA | NA | NA | 13 |
| Clay | % | NA | NA | 3.4 | NA | NA | 2.6 | NA | NA | NA | 18.5 | NA | NA | NA | 2.4 |
| Sieve, 3 inch | % passing (Particle Size um) | NA | NA | 100 (75000) | NA | NA | 100 (75000) | NA | NA | NA | 100 (75000) | NA | NA | NA | 100 (75000) |
| Sieve, 2 inch | % passing (Particle Size um) | NA | NA | 100 (50000) | NA | NA | 100 (50000) | NA | NA | NA | 100 (50000) | NA | NA | NA | 100 (50000) |
| Sieve, 1.5 inch | % passing (Particle Size um) | NA | NA | 100 (37500) | NA | NA | 100 (37500) | NA | NA | NA | 100 (37500) | NA | NA | NA | 100 (37500) |
| Sieve, 1 inch | % passing (Particle Size um) | NA | NA | 100 (25000) | NA | NA | 100 (25000) | NA | NA | NA | 100 (25000) | NA | NA | NA | 100 (25000) |
| Sieve, 3/4 inch | % passing (Particle Size um) | NA | NA | 100 (19000) | NA | NA | 100 (19000) | NA | NA | NA | 100 (19000) | NA | NA | NA | 100 (19000) |
| Sieve, 3/8 inch | % passing (Particle Size um) | NA | NA | 100 (9500) | NA | NA | 100 (9500) | NA | NA | NA | 100 (9500) | NA | NA | NA | 100 (9500) |
| Sieve, #4 | % passing (Particle Size um) | NA | NA | 97.6 (4750) | NA | NA | 99.6 (4750) | NA | NA | NA | 99.7 (4750) | NA | NA | NA | 97 (4750) |
| Sieve, #10 | % passing (Particle Size um) | NA | NA | 81.3 (2000) | NA | NA | 92.2 (2000) | NA | NA | NA | 98.3 (2000) | NA | NA | NA | 68.9 (2000) |
| Sieve, #20 | % passing (Particle Size um) | NA | NA | 65.6 (850) | NA | NA | 74.9 (850) | NA | NA | NA | 96 (850) | NA | NA | NA | 46.8 (850) |
| Sieve, #40 | % passing (Particle Size um) | NA | NA | 45.4 (425) | NA | NA | 48.4 (425) | NA | NA | NA | 93.5 (425) | NA | NA | NA | 30.3 (425) |
| Sieve, #60 | % passing (Particle Size um) | NA | NA | 23.6 (250) | NA | NA | 18.3 (250) | NA | NA | NA | 90.8 (250) | NA | NA | NA | 20.3 (250) |
| Sieve, #80 | % passing (Particle Size um) | NA | NA | 20 (180) | NA | NA | 8.4 (180) | NA | NA | NA | 89 (180) | NA | NA | NA | 18.6 (180) |
| Sieve, #100 | % passing (Particle Size um) | NA | NA | 18.9 (150) | NA | NA | 6.3 (150) | NA | NA | NA | 87.5 (150) | NA | NA | NA | 17.7 (150) |
| Sieve, #200 | % passing (Particle Size um) | NA | NA | 16.3 (75) | NA | NA | 4.8 (75) | NA | NA | NA | 79 (75) | NA | NA | NA | 15.3 (75) |
| Hydrometer Reading 1 | % passing (Particle Size um) | NA | NA | 6 (35.1) | NA | NA | 4.5 (35.8) | NA | NA | NA | 50.6 (31.8) | NA | NA | NA | 5 (35.5) |
| Hydrometer Reading 2 | % passing (Particle Size um) | NA | NA | 5.5 (22.3) | NA | NA | 3.9 (22.7) | NA | NA | NA | 32.9 (21.4) | NA | NA | NA | 4 (22.6) |
| Hydrometer Reading 3 | % passing (Particle Size um) | NA | NA | 4.5 (13) | NA | NA | 3.3 (13.2) | NA | NA | NA | 28.1 (12.5) | NA | NA | NA | 3.5 (13.1) |
| Hydrometer Reading 4 | % passing (Particle Size um) | NA | NA | 4 (9.1) | NA | NA | 3.2 (9.2) | NA | NA | NA | 23.3 (8.8) | NA | NA | NA | 2.9 (9.4) |
| Hydrometer Reading 5 | % passing (Particle Size um) | NA | NA | 3.4 (6.6) | NA | NA | 2.6 (6.7) | NA | NA | NA | 18.5 (6.5) | NA | NA | NA | 2.4 (6.5) |
| Hydrometer Reading 6 | % passing (Particle Size um) | NA | NA | 2.3 (3.3) | NA | NA | 2 (3.4) | NA | NA | NA | 11.8 (3.1) | NA | NA | NA | 1.7 (3.3) |
| Hydrometer Reading 7 | % passing (Particle Size um) | NA | NA | 1.8 (1.4) | NA | NA | 1.5 (1.4) | NA | NA | NA | 10.2 (1.4) | NA | NA | NA | 1.2 (1.4) |

See Notes on Page 14.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #58, December 2011

Table 2 - Area 2/Otsego City Impoundment Phase 2 Investigation - Validated Soil Sample Analytical Results Received in October 2011

| Sample Name: Sample Depth(in): Date Collected: Location ID: | Units | K26671 2 - 6 10/07/11 OCIFP-99 | K26672 6 - 12 10/07/11 OCIFP-99 | K26673 12 - 24 10/07/11 OCIFP-99 | K26674 24 - 27 10/07/11 OCIFP-99 | K26675 0 - 6 10/07/11 OCIFP-100 | K26676 6 - 11 10/07/11 OCIFP-100 | K26677 11 - 18 10/07/11 OCIFP-100 | K26678 18 - 26 10/07/11 OCIFP-100 | K26679 0 - 5 10/07/11 OCIFP-106 | K26680 5 - 12 10/07/11 OCIFP-106 | K26681 12 - 16 10/07/11 OCIFP-106 | K26682 16 - 21 10/07/11 OCIFP-106 | K26683 [K26684] 0 - 8 10/07/11 OCIFP-118 |
|--|------------------------------|---|--|---|---|--|---|--|--|--|---|--|--|---|
| PCB Aroclors | | | | | | | | | | | | | | |
| Aroclor-1016 | ug/kg | 17 U | 35 U | 17 U | 18 U | 120 U | 120 U | 28 U | 21 U | 160 U | 72 U | 46 U | 18 U | 170 U |
| Aroclor-1221 | ug/kg | 17 U | 35 U | 17 U | 18 U | 120 U | 120 U | 28 U | 21 U | 160 U | 72 U | 46 U | 18 U | 170 U |
| Aroclor-1232 | ug/kg | 17 U | 35 U | 17 U | 18 U | 120 U | 120 U | 28 U | 21 U | 160 U | 72 U | 46 U | 18 U | 170 U |
| Aroclor-1242 | ug/kg | 61 | 99 | 89 | 110 | 120 U | 120 U | 77 | 21 U | 730 | 310 | 210 | 86 | 170 U |
| Aroclor-1248 | ug/kg | 17 U | 35 U | 17 U | 18 U | 760 | 690 | 28 U | 21 U | 160 U | 72 U | 46 U | 18 U | 810 |
| Aroclor-1254 | ug/kg | 46 | 68 | 47 | 26 | 540 | 620 | 30 | 21 U | 570 | 240 | 130 | 35 | 1,900 |
| Aroclor-1260 | ug/kg | 17 U | 35 U | 17 U | 18 U | 160 | 95 J | 28 U | 21 U | 160 U | 49 J | 25 J | 18 U | 340 |
| Total PCBs | ug/kg | 110 | 170 | 140 | 140 | 1,500 | 1,400 J | 110 | 21 U | 1,300 | 600 J | 370 J | 120 | 3,100 |
| Miscellaneous | | | | | | | | | | | | | | |
| Percent Solids | % | 96.2 | 95.1 | 93.5 | 92.6 | 55.7 | 64.7 | 57.8 | 79.1 | 53.8 | 69.7 | 72 | 87.4 | 49.9 |
| TOC | | | | | | | | | | | | | | |
| Total Organic Carbon | mg/kg | NA | NA | NA | NA | 49,400 | NA | NA | NA | 34,800 | NA | NA | NA | 106,000 |
| Grain Size Analysis | | | | | | | | | | | | | | |
| Sand, percent | % | NA | NA | NA | NA | 62.5 | NA | NA | NA | 91.2 | NA | NA | NA | 36.4 [39] |
| Gravel | % | NA | NA | NA | NA | 0.6 | NA | NA | NA | 0.4 | NA | NA | NA | 0 [0] |
| Coarse Sand | % | NA | NA | NA | NA | 3.2 | NA | NA | NA | 2.3 | NA | NA | NA | 0.2 [0.7] |
| Medium Sand | % | NA | NA | NA | NA | 14.9 | NA | NA | NA | 3 | NA | NA | NA | 10.7 [9.9] |
| Fine Sand | % | NA | NA | NA | NA | 44.4 | NA | NA | NA | 85.9 | NA | NA | NA | 25.5 [28.4] |
| Silt | % | NA | NA | NA | NA | 24 | NA | NA | NA | 4.7 | NA | NA | NA | 44.7 [45.8] |
| Clay | % | NA | NA | NA | NA | 12.9 | NA | NA | NA | 3.7 | NA | NA | NA | 18.9 [15.2] |
| Sieve, 3 inch | % passing (Particle Size um) | NA | NA | NA | NA | 100 (75000) | NA | NA | NA | 100 (75000) | NA | NA | NA | 100 (75000) [100 (75000)] |
| Sieve, 2 inch | % passing (Particle Size um) | NA | NA | NA | NA | 100 (50000) | NA | NA | NA | 100 (50000) | NA | NA | NA | 100 (50000) [100 (50000)] |
| Sieve, 1.5 inch | % passing (Particle Size um) | NA | NA | NA | NA | 100 (37500) | NA | NA | NA | 100 (37500) | NA | NA | NA | 100 (37500) [100 (37500)] |
| Sieve, 1 inch | % passing (Particle Size um) | NA | NA | NA | NA | 100 (25000) | NA | NA | NA | 100 (25000) | NA | NA | NA | 100 (25000) [100 (25000)] |
| Sieve, 3/4 inch | % passing (Particle Size um) | NA | NA | NA | NA | 100 (19000) | NA | NA | NA | 100 (19000) | NA | NA | NA | 100 (19000) [100 (19000)] |
| Sieve, 3/8 inch | % passing (Particle Size um) | NA | NA | NA | NA | 100 (9500) | NA | NA | NA | 100 (9500) | NA | NA | NA | 100 (9500) [100 (9500)] |
| Sieve, #4 | % passing (Particle Size um) | NA | NA | NA | NA | 99.4 (4750) | NA | NA | NA | 99.6 (4750) | NA | NA | NA | 100 (4750) [100 (4750)] |
| Sieve, #10 | % passing (Particle Size um) | NA | NA | NA | NA | 96.2 (2000) | NA | NA | NA | 97.3 (2000) | NA | NA | NA | 99.8 (2000) [99.3 (2000)] |
| Sieve, #20 | % passing (Particle Size um) | NA | NA | NA | NA | 90.7 (850) | NA | NA | NA | 96.6 (850) | NA | NA | NA | 95.4 (850) [95 (850)] |
| Sieve, #40 | % passing (Particle Size um) | NA | NA | NA | NA | 81.3 (425) | NA | NA | NA | 94.3 (425) | NA | NA | NA | 89.1 (425) [89.4 (425)] |
| Sieve, #60 | % passing (Particle Size um) | NA | NA | NA | NA | 69.7 (250) | NA | NA | NA | 73.2 (250) | NA | NA | NA | 83.4 (250) [83.1 (250)] |
| Sieve, #80 | % passing (Particle Size um) | NA | NA | NA | NA | 62.5 (180) | NA | NA | NA | 35.4 (180) | NA | NA | NA | 79 (180) [78.2 (180)] |
| Sieve, #100 | % passing (Particle Size um) | NA | NA | NA | NA | 56.9 (150) | NA | NA | NA | 20.3 (150) | NA | NA | NA | 75.6 (150) [74.3 (150)] |
| Sieve, #200 | % passing (Particle Size um) | NA | NA | NA | NA | 36.9 (75) | NA | NA | NA | 8.4 (75) | NA | NA | NA | 63.6 (75) [61 (75)] |
| Hydrometer Reading 1 | % passing (Particle Size um) | NA | NA | NA | NA | 32.2 (33.1) | NA | NA | NA | 7.7 (35.1) | NA | NA | NA | 38.7 (32) [34.8 (32)] |
| Hydrometer Reading 2 | % passing (Particle Size um) | NA | NA | NA | NA | 21.3 (21.8) | NA | NA | NA | 6.4 (22.4) | NA | NA | NA | 30.9 (20.9) [28.3 (20.8)] |
| Hydrometer Reading 3 | % passing (Particle Size um) | NA | NA | NA | NA | 18.4 (12.8) | NA | NA | NA | 6.3 (13) | NA | NA | NA | 25.5 (12.4) [24.4 (12.2)] |
| Hydrometer Reading 4 | % passing (Particle Size um) | NA | NA | NA | NA | 15.7 (9.1) | NA | NA | NA | 5 (9.3) | NA | NA | NA | 22.9 (8.7) [20.4 (8.8)] |
| Hydrometer Reading 5 | % passing (Particle Size um) | NA | NA | NA | NA | 12.9 (6.7) | NA | NA | NA | 3.7 (6.5) | NA | NA | NA | 18.9 (6.5) [15.2 (6.5)] |
| Hydrometer Reading 6 | % passing (Particle Size um) | NA | NA | NA | NA | 10 (3.3) | NA | NA | NA | 2.2 (3.4) | NA | NA | NA | 12.4 (3.3) [9.9 (3.2)] |
| Hydrometer Reading 7 | % passing (Particle Size um) | NA | NA | NA | NA | 7.3 (1.4) | NA | NA | NA | 1.6 (1.4) | NA | NA | NA | 9.8 (1.4) [6 (1.4)] |

See Notes on Page 14.

Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #58, December 2011

Table 2 - Area 2/Otsego City Impoundment Phase 2 Investigation - Validated Soil Sample Analytical Results Received in October 2011

| Sample Name: | | K26685 | K26686 | K26687 | K26688 | K26689 | K26690 [K26691] |
|----------------------------|------------------------------|-----------|-----------|-------------|-----------|-----------|-----------------|
| Sample Depth(in): | | 8 - 14 | 14 - 27 | 0 - 6 | 6 - 15 | 15 - 27 | 27 - 35 |
| Date Collected: | | 10/07/11 | 10/07/11 | 10/07/11 | 10/07/11 | 10/07/11 | 10/07/11 |
| Location ID: | Units | OCIFP-118 | OCIFP-118 | OCIFP-123 | OCIFP-123 | OCIFP-123 | OCIFP-123 |
| PCB Aroclors | | | | | | | |
| Aroclor-1016 | ug/kg | 24 U | 20 U | 60 U | 630 U | 24 U | 26 U [26 U] |
| Aroclor-1221 | ug/kg | 24 U | 20 U | 60 U | 630 U | 24 U | 26 U [26 U] |
| Aroclor-1232 | ug/kg | 24 U | 20 U | 60 U | 630 U | 24 U | 26 U [26 U] |
| Aroclor-1242 | ug/kg | 24 U | 20 U | 60 U | 630 U | 24 U | 26 U [26 U] |
| Aroclor-1248 | ug/kg | 24 U | 20 U | 270 | 3,000 J | 24 U | 26 U [26 U] |
| Aroclor-1254 | ug/kg | 41 | 20 U | 380 | 6,400 | 24 U | 26 U [26 U] |
| Aroclor-1260 | ug/kg | 24 U | 20 U | 84 | 850 | 24 U | 26 U [26 U] |
| Total PCBs | ug/kg | 41 | 20 U | 730 | 10,000 J | 24 U | 26 U [26 U] |
| Miscellaneous | | | | | | | |
| Percent Solids | % | 69.2 | 81.3 | 82.3 | 51.7 | 67.4 | 65.4 [65.3] |
| TOC | | | | | | | |
| Total Organic Carbon | mg/kg | NA | NA | 80,700 | NA | NA | NA |
| Grain Size Analysis | | | | | | | |
| Sand, percent | % | NA | NA | 56.8 | NA | NA | NA |
| Gravel | % | NA | NA | 1.6 | NA | NA | NA |
| Coarse Sand | % | NA | NA | 3.3 | NA | NA | NA |
| Medium Sand | % | NA | NA | 14.9 | NA | NA | NA |
| Fine Sand | % | NA | NA | 38.6 | NA | NA | NA |
| Silt | % | NA | NA | 35.6 | NA | NA | NA |
| Clay | % | NA | NA | 6 | NA | NA | NA |
| Sieve, 3 inch | % passing (Particle Size um) | NA | NA | 100 (75000) | NA | NA | NA |
| Sieve, 2 inch | % passing (Particle Size um) | NA | NA | 100 (50000) | NA | NA | NA |
| Sieve, 1.5 inch | % passing (Particle Size um) | NA | NA | 100 (37500) | NA | NA | NA |
| Sieve, 1 inch | % passing (Particle Size um) | NA | NA | 100 (25000) | NA | NA | NA |
| Sieve, 3/4 inch | % passing (Particle Size um) | NA | NA | 100 (19000) | NA | NA | NA |
| Sieve, 3/8 inch | % passing (Particle Size um) | NA | NA | 100 (9500) | NA | NA | NA |
| Sieve, #4 | % passing (Particle Size um) | NA | NA | 98.4 (4750) | NA | NA | NA |
| Sieve, #10 | % passing (Particle Size um) | NA | NA | 95.1 (2000) | NA | NA | NA |
| Sieve, #20 | % passing (Particle Size um) | NA | NA | 89 (850) | NA | NA | NA |
| Sieve, #40 | % passing (Particle Size um) | NA | NA | 80.2 (425) | NA | NA | NA |
| Sieve, #60 | % passing (Particle Size um) | NA | NA | 69.7 (250) | NA | NA | NA |
| Sieve, #80 | % passing (Particle Size um) | NA | NA | 58.8 (180) | NA | NA | NA |
| Sieve, #100 | % passing (Particle Size um) | NA | NA | 52.2 (150) | NA | NA | NA |
| Sieve, #200 | % passing (Particle Size um) | NA | NA | 41.6 (75) | NA | NA | NA |
| Hydrometer Reading 1 | % passing (Particle Size um) | NA | NA | 16.4 (32.5) | NA | NA | NA |
| Hydrometer Reading 2 | % passing (Particle Size um) | NA | NA | 12.9 (21.1) | NA | NA | NA |
| Hydrometer Reading 3 | % passing (Particle Size um) | NA | NA | 10.2 (12.5) | NA | NA | NA |
| Hydrometer Reading 4 | % passing (Particle Size um) | NA | NA | 8.1 (9.1) | NA | NA | NA |
| Hydrometer Reading 5 | % passing (Particle Size um) | NA | NA | 6 (6.6) | NA | NA | NA |
| Hydrometer Reading 6 | % passing (Particle Size um) | NA | NA | 3.2 (3.2) | NA | NA | NA |
| Hydrometer Reading 7 | % passing (Particle Size um) | NA | NA | 1.1 (1.4) | NA | NA | NA |

See Notes on Page 14.

**Georgia-Pacific LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
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Table 2 - Area 2/Otsego City Impoundment Phase 2 Investigation - Validated Soil Sample Analytical Results Received in October 2011

Notes:

NA - Not analyzed.

J - Indicates an estimated value.

JN - The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.

UJ - The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

mg/kg - milligrams per kilograms

ug/kg - micrograms per kilograms

um - micrometers

Samples analyzed by TestAmerica Laboratories, Inc.

Duplicate results are in brackets.